

<400> 17141

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ttgaattctt agtgggtggt ttcacgtttt gactctttgc agcgattctt gcttcaagtt 180
ccagaaatgg gtgtggctca aaacattccc gatgcggagg aggggaacctt ggagattgga 240
atggaataca gaactgttt 259

<210> 17142

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960469H1

<400> 17142

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ttccagatag gccactgagt catgggaact atgtgttgta cagtgggtgat tgctctggga 180
tgagctcagg atgtggattt gtgagctcat gaaaagttga atgattcata aaatccatcc 240
ttgatgagtt ggacaaga 258

<210> 17143

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700960470H1

<400> 17143

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cacagagact gagattcagt ccgtgtacaa ctatgaaacc actgaacttg ttcacgagaa 180
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caacacccat gtcctaaac t 261

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 <223> Clone ID: 700960471H1

 <400> 17144

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 tgggttaaag agcatggagc atctcattcg tctcctttct ccttcttctt ctcttcacaa 180
 caaccttaag agtctcaatc tcaaccacct cgactgctcc gaaatcacgc gcttcactgt 240
 ctccaagttc aaacaagtca 260

<210> 17145
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960437H1

 <400> 17145

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 ttcgtagctg atggagtgtt cttcgctgaa ctgaacgagg ttctgacaag ggagttagcc 180
 gaggacggat actccggcgt ggaagttagg gttacgccga tgcgcaccga aatcatcatc 240
 agagccacca gaaccaagc cggt 264

<210> 17146
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960404H1

 <400> 17146

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 ctactaccac tatgctacaa ggccatcatt ggcacatata tcagttgttt tacttgtatt 180

catggtgtat agtagtcagc atgttataat ttttttctga aaggtaatta ttactctgtg 240
gcagtcattg ctttgtgatc ccaa 264

<210> 17147
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<212> DNA
<213> Glycine max

<223> Clone ID: 700960406H1

<400> 17147

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catggacaga gttcgattta taaaatagct ggagcaatac caagtttgat ttatattata 180
gcttagagaa attagatcat cacatgtcta gattgatgat gtggttatat ctgctatggt 240
ttctttatgc cataagaaat atgatttgtg 270

<210> 17148
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960407H1

<400> 17148

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acaaggctcta tatcacggtg caattggctg attcaaaaaa tgccaagggtg gatcttacac 180
cagatggtat ttttaccttc tctggtagtg ctggtgctga agaccatcag tatgagctaa 240
aactggagct ctttgacaag gttaatg 267

<210> 17149
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960408H1

<400> 17149

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263

<210> 17155

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700960417H1

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acgtcgacta cgctaattac ttctgcacct atgctttcct ctaccatcag aaggagatgc 180

tctccgaccg cgttcgcag gacgcttact tcgacgccat ttttcaaac aaacgccact 240

tcgctggcaa gactgttttg gatgtgggga ctggaagt 278

<210> 17156

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700960418H1

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tgaatttgct acgctggacg tccttctgaa aagccctcag gccaggttt gtgctgagga 120

cattgccata tgggcgaaga aatatatctc acttcgaggt catgaattct catattgagt 180

aggatatagc agatgatggt tgacaggaag atatttacc accccaacta caaaattagc 240

ttcagatcac tcttttgctg ctattgcatg gg 272

<210> 17157

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700960419H1

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gccaaatgga gaagaacaag tgaaggacaa caacaacaac aacttatacg acgccgttca 120
 gcgtctgac ttggaacctt ccaagatcaa ggctccctc atccctctct tccccgaagc 180
 ttctagaacc tactctcgcc aactcctcca ctggtcccgt caaggttctc cctccgacg 240
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960420H1

<400> 17158

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 aagtatttct tcagcaaggc tcatgatggg aagaaaacta ttgaatttgc catgatatga 120
 ttggtgactg tatctatgaa tatttggttt tgactaagtc taatgacatc gtgggctcta 180
 tgtagccgac ctacttaat agaataaggc ttctgtaatt gtatgatttg tgctcattgt 240
 tggcagtatt taaggtgttt gaaatcca 268

<210> 17159
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960422H1

<400> 17159

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 gctgtgaatc tcgctctcgc tcttctccac gccgccgttg cgagcctcgc gttctttcag 180
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 tattgattgg ctcttctaata ttgg 264

<210> 17160
 <211> 265
 <212> DNA
 <213> Glycine max

<210> 17163
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960429H1

<400> 17163

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 ggaggggaaat ggtccaacca ccgtaactgg atctctggct ggtcttaagc ctgggtctcca 180
 tggcttccat gtccatgcct tgggggacac taccaatggg tgccgtgtcaa ctggagcgca 240
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<210> 17164
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960431H1

<400> 17164

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 aagaagccga agcgtagaag aagatctcga aggaaggagg gagcgagaag aagaagaagc 180
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 accccgacat tgggtatttcc agc 263

<210> 17165
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960432H1

<400> 17165

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gataggaaga gggatagga cagagatcat gagaacaagg ataggaagag agaccatggg 180
gacaaggatg tgaagagaga tagggagaga gacagagacc acggtcgtga ccaagaaagg 240
gacagaaggg accgtgggag tgag 264

<210> 17166
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: 700960433H1

<400> 17166

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gctgttgggg atgatgtgca cgatggatat aa 92

<210> 17167
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960434H1

<400> 17167

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tcttgcattc aggtttttgc aatactcccc aagtctccga tgcactgcgc ttgaagcatg 120
tgcacatcct ttctttgatg aacttcgaga acccaatgct cgcctgcaa atggctgtcc 180
atttcctcct ttatttaact tcaagcagga attatccgaa gcttctccag agcttgtgaa 240
caaagtgata cctgaccaca tgaagcggca aa 272

<210> 17168
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960435H1

<400> 17168

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tagttgactt atttttaacc ttgttcctgt gagaaaacat atttagccta tgacttttgg 180
 cagtttgagg attctgaagc tgataccatg ccacagattc aatcatttgg gtcttttttt 240
 gttgaagtta aattgtctta ttgcgtg 267

<210> 17169
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960436H1
 <400> 17169

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 tacacagaga ctgagattca gtccgtgtac aactatgaaa cactgaact tgttcacgag 180
 aacaagaatg gcacttatca gtgggttgtc aagcccaaaa ctgtcaaata tgaatttaag 240
 accaacaccc atgtccctaa actagggg 268

<210> 17170
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960403H1
 <400> 17170

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 tgccctcgtg cttttttctt ctttgcttgc caaaaatctt acacacacag gtatctagca 180
 aatgggttct caccagcaag aacctaggct attggagaat gggaaaccga gggtagtgac 240
 caaggagaat aggcattggc gttctgcaca c 271

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960363H1

00220-03200

<400> 17171

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 tgtttcatgt ggatgaattt agagcactgc gttgtattgc tgtgctgtgc ctttttttag 180
 ggatttctcc aagtcaattg gttaaagctt gaatagtcaa tgaaataaga ctctgtactc 240
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<210> 17172

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960364H1

<400> 17172

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 tttctagaac cttccctctt ctctcacgct ccggccccac atttgacctc cctcagatcg 180
 gagccatctc tccctctccc gatctcttcc accgcaacac cgctaccatg cctttcgcaa 240
 aggaaaacgc tt 252

<210> 17173

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700960366H1

<400> 17173

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 ggttgtggaa gtttcgactt ccaaaactgg aaagcacggt cagccaagt gccactttgt 180
 tggaattgat attttcactg ccaagaaact tgaggatatt gtgccctctt ctcaaaactg 240
 tgatgttcct catg 254

<210> 17174
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960368H1

 <400> 17174

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 ggtgtttgtc atcgtgacat caaaccacag aacctattgg taaatccgca gacacatcag 180
 ttaaagatat gtgattttgg gagcgcaaag gtgttggttc ctggtgaacc caacatatcg 240
 tacatttgc 249

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960369H1

 <400> 17175

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<210> 17176
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960370H1

 <400> 17176

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 ggacaatgca gactctgggt ttaggatctt caattcgtct cgcggagcat ttatctcagc 180
 tatggctgta gcaatgatgc ttcataataag atcttcgtta cttgcagctg aaaatcctac 240
 aacctgt 247

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 <212> DNA
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 <223> Clone ID: 700960371H1

 <400> 17177

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 atgtactaca acccttttgg agtcgctttg ttaatttttt cccctatgg atgcctccaa 180
 acatgataac tcttatggga tttatgttct tactactgtc tgcattgctt gggtatatat 240
 actccccaca a 251

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960372H1

 <400> 17178

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 cagccgagta tgctggcgct caagttgatt ttgccctaa ttttgagatg ggtgtctcca 180
 ataaaactcc tgaatttctc aagatcaatc ctattggcaa gggtcctgtg ctggaaacct 240
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<210> 17179
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 <223> Clone ID: 700960373H1

 <400> 17179

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 gagttctttt cactgtctgg gtccttatac ttgcctccga gattgcaaaa agtcacacaa 180

gttcgtccct caccaatagg tgctgattat gaacagaagc acggcaaagt gagctccagt 60
cctgaaattg gtgaattcca tgg 83

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<213> Glycine max
<223> Clone ID: 700960379H1
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tgatccccgc agaataattgt gtaatcagac tagtcactaa tctctttggt tgacaataat 180
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ccatgaaat 249

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<212> DNA
<213> Glycine max
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gacgacaact tcaagggcac ccggtgggccc gtctcctcg ccggttccaa tggttactgg 180
aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240
aaagaagaa 249

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<212> DNA
<213> Glycine max
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 cccggtgccc cctccctcct cctccggcgg aagcgactcc tctccggcg catccatcga 180
 tccgatcttc cacctcctcc gcgtcctccc ctccagcttc ctccgcccc ctgcctccg 240
 cctcaagct 249

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 <212> DNA
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<223> Clone ID: 700960385H1

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 cgtcgaggag gacgtcgcca gatccagatc tgtttactgt gatcagtgcc gagttttcgg 180
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<210> 17187
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960386H1

<400> 17187

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 cctactcttg cgtcggtgtg tggcaacatg accgcgttga aatcatcgcc aacgaccaag 180
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 cggccaag 248

<210> 17188
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[illegible]

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actacttggg	caaccaagc	cttgccacg	cctagagcat	cctcgccatc	tgggccaccc	180
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tcactgacc						249

<223> Clone ID: 700960389H1

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tggccttggt	aaaaattctc	attctctgaa	gaagggctgt	gattgttttag	gctatatcaa	180
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<223> Clone ID: 700960392H1

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actgacaaag aagaagttta cttgaatctt gtacttgaat atgttcctga aactgtgaat	180
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<223> Clone ID: 700960393H1

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gctatgctcc ttctgtttcg gccacaactg aaatttcagg gattgagttg accccagatg 180
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<210> 17192
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<212> DNA
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<223> Clone ID: 700960394H1

<400> 17192

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catttctctc aaccttagag cactctgctt ccgctgtcag ggaaactgga tgcatactac 180
accacatcgt ttccaaatcc aacaacacca ccattctcgc cgttgtccca ctctatgtta 240
aaaccca 247

<210> 17193
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700960395H1

<400> 17193

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Abstract

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7522

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gaaatttctg atcgaaacga cggcgccggg aagatcgata cggagggttaa agcaaaaaca 120
aaagcaaaac cggaatcaga atctgattct gaatctgaga aatctgccag tagtgaatca 180
gacgattcgc gttcgaggaa gaagagaagg aagggttctg ctggttcttc gaggaaatca 240
tatagcgaga gt 252

<210> 17205
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960338H1

<400> 17205

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ttgaaggaag agattgaaaa aaaagggggg atacccagat aattaattcg gtgaaatttc 180
ggattttgat tagtgggtgt ttctcttttc gtgtttttat tacctcagtg cgtgaaggaa 240
ggggaaggg 249

<210> 17206
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960339H1

<400> 17206

aacagttgaa gtgaatggca taaaaatgca tgttgcagag aaaggagagg gtccagtgg 60
gttgttcctc cagggcttcc ctgagctctg gtactcatgg cgccatcaga ttctctctct 120
cagctccctc ggctaccgag ccgtcgctcc cgatctccgt ggctacggtg acaccgaagc 180
accacattca atcagcagct acaactgctt ccacatagtg ggtgatctcg ttgcgcttat 240
tgactctctg ggtgtc 256

<210> 17207
<211> 256

250

<400> 17210

<400> 17211

<400> 17212

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atgtggggat ccttgccatt gacatctact tccctcccg c ttgcgttcag caggaagcat 120
 tggagactca tgatggtgcc agtaaagga agtataccat tgggtcttga caagattgca 180
 tgtcattctg taccgaagta gaagatgtca tctcaatgag tttgacagt gttacttctc 240
 ttcttgagaa ata 253

<210> 17213
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960348H1

<400> 17213

gaacaacaaa aggaaacctt ccgggtcggg aaataaaaac ccgaacttga aaagaggcaa 60
 aactccgac cactgtgagg ttggagcttg gaggagtc aacacgaagg aagaagaatg 120
 gcgtctctga ggagtggagc ttcttcgttg ttgaatcgcc tttcgaaatc gcttcttctt 180
 cattccaaca aaaaccctaa tctcaatct cagttattac tcccttctct ctctagactc 240
 cccggtgcga tttc 254

<210> 17214
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960349H1

<400> 17214

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 ctcccttcgt agatctcaat cgaagccctc aatttcgca tcgaaatcga tatacacgctc 120
 atccaaccgt gcctcaccgc acggatactt gctgaaccgc gtcgccgagt acgccaccgc 180
 cgcggtgct gctaccactc ccctggatcc tctctctccg gggaagaagg agctcggcgg 240
 cggcggaag a 251

<210> 17215
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960350H1

<400> 17215

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atcttgctac cacgcttgaa cgtattgaga aaaacttcgt cattactgat ccaaggcttc 120
cagacaatcc tataatTTTT gcacggata gcttcttaga gcttacagaa tatagtcgtg 180
aagaaatctt gggaaggaat tgcaggtttc tgcaaggacc tgaaactgat ccagcaactg 240
tgaacaaaat tagag 255

<210> 17216

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700960352H1

<400> 17216

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atgaaatgtg gagggaaatc tgagcgtcaa gaaaggatga tggatctgac agtttacaag 120
tgctgagact ctggatggag aaaacaagta ccgatgtgtc aggtgtaaat cttatgagaa 180
ggccaagaag aaaatgacag ttttggaggc acctaattgtt cttactattg cattaaagag 240
atttcagtcc gg 252

<210> 17217

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960353H1

<400> 17217

gttggtgcgt tgatcagtga ttttaataatg tggaaagatg tttcaaaatc gacccttttg 60
tttggttttg ggtgtctttg tttcttgtct tcttgcttca ctaaaggggt caactttagc 120
atcttctcgg ccatatcggc attggcaatt ctcttggttg gtgtttcatt cttctcaaac 180
tcagtttgtc aaagaaacca ggttgagaaa aggagttttc caagctgaaa gaagatgaca 240
ttttac 246

<210> 17218
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960354H1

<400> 17218

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 tcacgtctta cattgttttg agtctagtga tggcactagc aattagcggg ttcaatttca 120
 aaggggcaga ggcagcacgt gccttccttg tggttggtga ttctctcgtt gacaatggca 180
 acaacaacta cttatccacc acagctagag agtgcgctcc accttatggc attgattatc 240
 caactcgcag ac 252

<210> 17219
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960357H1

<400> 17219

ctttcttctc tccaccatcg ttgtgtagtg cgtgtctctc cgtaacttgc cttcgactgt 60
 gacaacacac cgatcgccat gaacatcttc accaagaaac ccacggccaa agaggctctc 120
 cgtgatagta aacgacaaat gacaaacgcc actagaggaa tagaaaagga aattggagct 180
 ctacaattgg aagaaaaaaaa gcttggttgct gagataaaga gaactgctaa gacgggaaat 240
 gaggcagcaa c 251

<210> 17220
 <211> 76
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960358H1

<400> 17220

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 tagagcatat tgtatt 76

<210> 17221
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960359H1

<400> 17221

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 ctcagatcag aaacctcagc cagccatggc agcgttccag aagatcaagg tcgtcaaccc 120
 catcgtcgag atggacggag atgaaatgac tagggttatc tggaagtcaa tcaaggacaa 180
 gctcattttg cccttcttgg agttggacat caagtattat gacttaggcc ttccttaccg 240
 tgatgagac 249

<210> 17222
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960330H1

<400> 17222

gaacaaagca cttagtgcga ttcaataatt acgaaaaacc aacagcgagt gttgtttttg 60
 tttgggccag gctggaccag ggaatgaata gagatgagag gctttcgggt gaagagaact 120
 gagttaagcg gcgaagcaaa cgcagaatcg gcggcagaaa ttgccaccgg aagcacgtcg 180
 aagacgggtg aaccaaacac aaaattccat ccaccacttc tcgcttcaat ccccaactca 240
 aatctgtgaa gaaaat 256

<210> 17223
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960360H1

<400> 17223

cttttccctc gttgaaatga aaatgggttc ttctttgtgg actttgtgtc taattttggc 60
 ttcactagcc tcttctgcat tctgtgcctt tccacggagg ccagtggatg ttccattcgg 120

cagaaactac gttcccaactt gggcttttga tcacatcaaa tacttcaatg gaggttctga 180
gattcaactt catcttgaca agtacactgg tactggcttc cagtccaaag ggtcataactt 240
gtttg 245

<210> 17224
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700960287H1

<400> 17224

gaaaaagaaa aaactgtccg atactttttt ccttaaaactt atatgataat gctttgacat 60
catgttctta atgttaattt gtaaagggtg ctcttaagta tacttatgcc tcaacattgt 120
gggatgtcca tataatccta aacatatgat atctgattgg aacttttttt tcttgattta 180
tctgttctga acttctagat gctaaaaagc gtaagagatg ttcacgacct ctggtattac 240
ataagaaaaa gaggagattg tt 262

<210> 17225
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960289H1

<400> 17225

gttattgttg aatcagcctc attccacaaa gaggctaaca tcaatcctcc caaaaaaagt 60
cctgttcctc ccacttttgt gaaaactttc accattgcat cccttcaaca gtatacaaat 120
agcttttctc aagacaatct tatagggtta ggcattgctag ggagtgtgta tagggcagag 180
cttcagatg gaaagatact tgctgtgaag aaactagaca agagagtttc tgatcaccaa 240
acagatgatg agtttcttga attg 264

<210> 17226
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960292H1

<400> 17226
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aacgcagagt aacaataata acactctggt gtttatccct ctccctcgct gcctcagcgc 120
aacgcggtcg tttcactttc agcgcaattc accgtttgga ttctccagcg ggcatgggca 180
acgcaggagc atgttcatcc aaacgcagcc cagcggcaaat ccctcgtctc tcatgtttta 240
tcccggcaag cccgtcatgg aagt 264

<210> 17227
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960295H1

<400> 17227
atcaagaata caataacata gcatagagtg agaagtgaga agagaaaaat ggcaatctcc 60
ataccagta gacaactttt catagatgga gagtggaaag tccctcttct caacaatcgg 120
tttccgatca tcaaccccg c tactgaagac atcatagggc atattccagc cgctactaag 180
gaagatgttg accttgcggt ggatgctgct aaaagagcct tttcccataa caaaggcaaa 240
gattggtctt cagctcctgg ctct 264

<210> 17228
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700960302H1

<400> 17228
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catttaactt ccacaaattc ctacaaattc taaccaaacc cttcactact ccaaattcca 120
caacttctct cttttttttc cctccttctt ttcccttttt ctggtgtccg atcttctgcc 180
tcctagatct tgggtatttg gattgatcac ctggagttgg aaatgggttaa aagttatgga 240
gtgttctgat ttgcgaaaga tacc 264

<210> 17229
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700960303H1

<400> 17229

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tattctgctt ctgttggttg ctctactgtt ccatgcgtta tacataagaa aaatacaggg 120
gaagaagaaa aatggtgatt ataaaccttg tgaagaagaa gaagaagagc gagagagaag 180
gaatgcgact tgggaaatac gacttgggta gagaacttgg tgagggcaat tttggcaaag 240
tcaagttcgc taggaacact 260

<210> 17230
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700960304H1

<400> 17230

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tggatccacc ctcttccctt tctttcggtc tttgatttga tcttttcctt acctttcttt 120
gggtttgggt ctgggtcttc agcttcaact tcaacaacaa caaaaaacat gctatggtta 180
cccaacaaca gccacagcca cagcttcagg ttcagcctca gcagtcgaca ccaccctctt 240
cacaagatga ggccttgaa 259

<210> 17231
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960305H1

<400> 17231

ggctgcgcgg aggggctttc gccgccgctg agtccgtgca ggtcgccggt gctgcgggcg 60
gatctgtcgg cggcgtgaca ggcattcacg gcggaggtgg cggaggagga gtacgttgcc 120
ggaggggaagg aggagaaggg gaaggggaag gagggagtgc cgggtgtttgt gatgatgcct 180

ggctgcagca ta

132

<210> 17235
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960309H1

<400> 17235

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cgattaccct agtttcaaac tcgtcatcgt cggtgacggt ggtacaggaa agacaacggt 120
cgtgaaaagg catcttaccg gtgaatttga gaagaaatac gaaccgacca ttggagtgga 180
ggttcaccca ttggatttct tcacaaactg tggaaagatt cgcttctact gttgggatac 240
tgccggacaa gagaagtt 258

<210> 17236
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960310H1

<400> 17236

gtgcagagtg cgaagattcg gaagctacaa ttggaaactg aaggtgcaat aagagaagca 60
gaagagacga ggagaaaagt tcaagagctg aagcaagaag ttgaaaaatc aagggtctgtg 120
gctgaagaag cagaggaaaa acttgagctc gttctggtgg aggctaaaga ggcaaaagca 180
gcagaacaaa gagccgttaa agagatgaag attttgtctg aagtgggtag agtcccgtac 240
tcaaaattca atggcaagat c 261

<210> 17237
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960312H1

<400> 17237

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gttttggtc ttgtccctgc accaagcaag agctgcaaag ttccacaatg tgagtggctt 120
gagagggaaa aagccagttg tagcaaattg gtgcaattt ttcttgggaa gttgggtggt 180
tgacacgtct tatcctctct atgactcttc aacatgcccc ttcatgtatc ccgagtttga 240
ttgccaaaag 250

<210> 17238
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960316H1

<400> 17238

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tagatctatt ctggaagaat tttctcagta cttgttcaat gactctcaac atgcaactac 120
ctctgatgaa cagcgtgtga tgtcaagggt gaactcactt tactgccttc tgcagaagga 180
tccttcttca gcagaagaca taaacacaat gacaaaaaat ggcaatagtc tgagagatgc 240
aaatgctttg tcaaggggtga a 261

<210> 17239
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960317H1

<400> 17239

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tgggtcgatt cgtggtggag aagaacagcc tgagagtgc atcgccggag aaaataagag 120
ggacacacga cagtgccatt ggcaacttcg gaacacctca atacggtggt agcatggccg 180
ggaacgtaat ttaccctaag gataacaaaa agggttgcaa agagtcgatg agttcgggat 240
ttccttcaaa taacccccgg tgc 263

<210> 17240
<211> 259
<212> DNA
<213> Glycine max

[illegible]

<400> 17243

<210>	17244
<211>	257
<212>	DNA
<213>	Glycine max

<400>	17244
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<210>	17245
<211>	216
<212>	DNA
<213>	Glycine max

<400>	17245
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7538

cagctttgct tacagttcct ataatttttt tttctccatt agattaccaa gctctgcaac 60
 tttgcttctc tccatggagt atcgtctcct acccattttt actttactca atattgcact 120
 ggtggcaacc catgctgctt taccctctga agtttactgg aagtcgggtgc ttcctactac 180
 gccaatgcca aaagccatca ctgatatact ttactctgat tgggtggaag agaaaagcag 240
 ctcaagtcat gttggagggtg g 261

<210> 17249
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960329H1

<400> 17249

aacaacaacg tccaggccgt ccataaccaa caggctgatt tcaagaactg gctcagcgct 60
 gtcactctctt accaacaggc ctgcacggag ggttttgacg atgccaaaga cggtgagaag 120
 aagatcaagg agcagttgca gaccagacc ttggacaatg ttcagaaact cactggcatc 180
 acccttgaca ttgtgagttc tttgtccac atcctcgagc agttcggctt aaagttaa 240
 cttaaaccg catctc 256

<210> 17250
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960258H1

<400> 17250

acctggtgac ccaaaattca atgcctaaca tgtgtgtgat cacgtattag gcattgaatt 60
 aaaccattcc aagtgggtggg acttagcagc tctatttgatg attctcatat gttacagact 120
 tctcttcttt actagttctc aagttcaagg agagagcatc cccattattt cagacactct 180
 atgccaagag aaccatccaa cagcttgaaa aaagaccctc tttcaggaag atgcatctt 240
 tcccttcaca gaggcacaa tccctccat 269

<210> 17251
 <211> 270

<212> DNA
<213> Glycine max

<223> Clone ID: 700960259H1

<400> 17251

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ctctcttctc atcatcaatg gcgaccccca ttctccccc tctgcccgc gccgcccgcg 120
ccgcccgcga caccaaggtc gattacttga accttccatg tccgattccc ttcgaagagc 180
tccatcgcca agctatgatg tctttgaagc cagatctttt tgagggcagc cgttttgatt 240
tcaccaagat gctcaatcag aagttctccc 270

<210> 17252
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960260H1

<400> 17252

agaaaatata atatttattt attttaatat atattaatca tttaacagag ggagaaaaag 60
attaaccaat tgccaaagtt gaaggcagat ctggcttaac aaaacatagc atactgatgc 120
taattacggt aattatttag cattttacat tcacttgctc aaaatcaaac acgctagtaa 180
tatatatattg agtcagcaac agagcaatta atttccgacg cataatggta gtagtagatt 240
caaacgtgg 249

<210> 17253
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700960261H1

<400> 17253

gtttgctgga ggaggctttg gaccttaaaa cccaaatggt ccacaaaggg attaagcttg 60
acgtctttac ctacaccacc cttttgtccg gattcgagaa ggccggtaaa gatgactttg 120
ccatccaagt ttttctggaa atgagagctg tgggatgcaa gcccaatatt tgcaccttca 180
atgcccttat taagatgcat ggcaaccgag gaaagtttgc cgagatgatg aaagtttttg 240

atgatatcaa gctctgcaat tgctcc

266

<210> 17254

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700960262H1

<400> 17254

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cggtggcggg gctactgtgc gccgcggcgg gcgcgtcgtg ggtggaggag gccgcgaacc 120

cgatacgaat ggtggcgggg gtggaggcgg aggtggttcg ggtgataggg cagtgccggc 180

gcgcgctgaa gtctgctagg ttcattgagca ggttcgggaa gagttaccga agcgaggaag 240

agatgaggga gaggtacgag atat 264

<210> 17255

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700960263H1

<400> 17255

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tgatgtgcaa gtttcatcgg tcgatataga caatgcccg gcagggatct gttggggttt 120

ttgttcaacc agttcaagct gaggttctga ttttaaactt tcaaactaat cagtacacct 180

ttcaaagtt cctgaaagag atgagtaaac taaaagttct gacagtcata catcatggtt 240

tccatccttc taaaatgaac aattttga 268

<210> 17256

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960264H1

<400> 17256

cataaatgtc tttatttgat tagtcagatt tttatttttt tttttgaatg gcctcttggg 60

0022E0"EFFE60

tttgcttctg gatcctgatt ttgggggtaca cacaatgtca tacattgctt tctccctttt 120
 ttcttgttct ggaacacgat cacatgtttt tgattgaaaa gtggaagcag tgttagaaaa 180
 tctcatgaga aataacacgg ctctgaaggc agccttgga gttttctcct ttttgaagct 240
 tcttgccgcg gagggagaca aagag 265

<210> 17257
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960265H1

<400> 17257

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 gtcctagtgg acgattcttc aacaccacgg tgctatgtgc gtatgttttt ggcttcttag 120
 aatcagaagt tccaattgaa ttctctcaag ccaagtattt gttcgaagat gtctttctac 180
 ccgtcaatcc acacttttct tccataatgg tgagagatga agaaggagaa atgaaatgga 240
 aaagggtaga ggtgaagttc gaagatcacg ta 272

<210> 17258
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960266H1

<400> 17258

gggtgcaagg gaagagatca tataattgct ttgcttattt gcgatgctta gatggaagaa 60
 catctcactc cattggctgt tacacatctc cttcaacaca ctctcagaag tttgtgcac 120
 catgacaatt ctcaatgggt ctacgcagtc ttctggagga tcttgcttag aaactaccct 180
 ccacgcaagt gggaaggaca aggggcttat gctagatcaa gaggaacag aaggacttgg 240
 atattggtgt gggaagatgg gttctgc 267

<210> 17259
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960267H1

<400> 17259

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agcttattaa attgatatta atattatttc attgaaagaa gatgctaggt ggtgttcac 60
aatattctga aaggtaaaac gatttttggtt tttaatgata atataaccat gaatctaaca 120
tcagatattg aacgctacac atcaaaaata aatcgagcca acgcatttaa ttgtaagtgt 180
cttcatatta cctgtgttct gtcacatctt ttgcataat attggcacta agtctttttt 240
gatagaaatt gtgaagatgt actgttatca 270
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<210> 17260

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700960268H1

<400> 17260

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ctttggtttc ggagggaaaa ctctaaaacc tcaaaatttt cagtctcaat caacttaaca 60
tctgtgattc caatcgatca cattcaatac cacccttcag gattaggtat taattctgtt 120
cccttaaata aataacatga gcaccacagt gcaaagaact ccaagatcca gtaggcagtc 180
tttatttttc caggatttgg cttcacctgt ttctgccgt agaggaaaat tttcgagtcc 240
cagtcaggca gctgcagtat cttcactat 269
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<210> 17261

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700960270H1

<400> 17261

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aatgtggat gcatggaaca atctcagaac atttttgaca gggtaaacga gaaggatgaa 120
gcagtatgga atgttataat tgcaggatat gggattcatg ggcattgggt gaaggctatt 180
gagctgtttg aattgatgca aaataaaggc ggcagaccag attcttttac atttctggga 240
gtgctaattg cctgtaacca tgettg 266
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<210> 17265
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960275H1

<400> 17265

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 gactttcctc gacaacgcc aatccccct catcctctc aacgacgacc ttgccattcc 180
 caacccaac gccgtttccc ctccctcaga ttctcactct ccggaattca acccttctcg 240
 ctgcgcgtct ccgtctcctt cgccac 267

<210> 17266
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960276H1

<400> 17266

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 caactcctcc gtctctctct ccctcgccgc accaactcac gtatctcccc ttgtaacttt 180
 cgtggcccaa acttccgatt gggctcaaca agaagaagaa cagagcctcg ctgaaaccga 240
 agcgggcctg gaaagtggg agcccaac 268

<210> 17267
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960278H1

<400> 17267

cacagttctg tataattctg atgacaatgt cttagttgct gctccaacag gtggcggtaa 60
 gactatatgt gctgagtttg ctattttgag gaatcatcaa aaagggcctg atagtgtcat 120

gcgtgtcgtt tatgttgac ccgttgaagc tcttgtcaag gagcggatc gtgattggga 180
gaggaaattt tgaggtgggc ttaaattgag ggtggttgaa ttgactggag aaactgcgac 240
cgacttgaaa ctgcttgaga aagg 264

<210> 17268
<211> 265
<212> DNA
<213> Glycine max
<223> Clone ID: 700960279H1
<400> 17268

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gcaaagacga tgactaagaa gaagaatccc ctgggtgtta tggatgtgtc gatcgatggg 120
gatcctgttg aaaggatggg ttttgagctt ttctatgatg ttgctcccaa gactgcagaa 180
aactttcgtg cattatgtac aggagaaaaa ggcatcagtc caaatactgg aaaatcactg 240
cactacaagg gttctttctt ccac 265

<210> 17269
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700960280H1
<400> 17269

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aggccaaatt tttctttttc ttttcctttt tcattattat ttcataattt tttccccttt 120
tcaattcttc aaaaaattct cgcgactaaa ttcacgtcag tacacggaaa cataaaattc 180
agtttttttt tattaataatt tggtggcaaa caaaaacaaa aaaaaaattg aaattttgat 240
ccgtttttgcc gaattggacc gcgc 264

<210> 17270
<211> 269
<212> DNA
<213> Glycine max
<223> Clone ID: 700960281H1

003220 E T F 50

<400> 17270
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ctttcccttt ctattcactt cccctaccct tccgtgatga tgtagataga gaataaaaag 120
agaccagtgt gcagtgagaa agagattgct cacttcttgt gtggggttgt tttgttcttt 180
gtgttggaat ttgttcatgg gtgaagaagg agaagagggtg tcaagagaga aggaacaata 240
catgggagtt tatggaaatg agtggttgt 269

<210> 17271
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700960282H1

<400> 17271
catcgacaat cctaattggtt ccgacaaagc tcgacctgag tgtgatctca tgatgtttct 60
gcactaacta tgtttgattt ggatacccaa caacaaaaag agtggtgtcg tgttgttgta 120
gttaatagta ataggactaa gtaagagtag tggaaaacat gaacaacagc agtggcggag 180
gaggacgagg aactttgatg ggtttgagta atgggtattg tgggaggtcg ccattcacag 240
tgtctcagtg gcaggaactg gagca 265

<210> 17272
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700960283H1

<400> 17272
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atatcatatc aactccaaat gatgaaaaat attgggttgt ttcttcttgt ggtgggtggct 120
acttttgtgg tggcagccac agctggtagc ttttaccaag actttgaaat aacatgggggt 180
ggtgagcgtg ccaaaatcta tgaaaatgga aatcttctca ccctctccct agacagagcc 240
tctggctctg gctttcgttc caaaa 265

<210> 17273
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960284H1

<400> 17273

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 gcagagactc tcttctgcc a ctactactac ttcttctcgc tctgccttgc tgcgctacgg 120
 tggcggcgca ctctgcggg acgtgcttgc tcccatttcc tcttctcact tagcagctaa 180
 gtcacaggcg ggtgaaaatg acaccaaagc agctagatgg ttttctatta tgagctctga 240
 tagatccaca tttgattcc 259

<210> 17274
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960255H1

<400> 17274

cgcattggcca cctctgctat tcagcaatca gcattcgcag gtcaaactgc tctgaagcag 60
 ctcaatgagt tgggccgcaa gaccggtggc gccggcaaag gtcgcaccaa catgcgccgt 120
 accgtcaaga gtgctcctca gagcatttgg tatggccctg atcgctcccaa gtacctgggt 180
 ccattctcag agcagattcc gtcatacctg accggagaat tccccgggtga ctacggatgg 240
 gacactgctg gactatcagc tgaccggaa a 271

<210> 17275
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960231H1

<400> 17275

gagaacttca actgaggggtg agagtgcac aaatctaggg agcactactc taaaagttct 60
 attagattct tcaaaacatg accatgcac gcgagtcttg ggcttttctc ttcggcgcta 120
 tgggcaacat catctccttt ggagtgttcc ttgctccatt gccaaccttt taccaaactc 180

acaagaagaa atccactgaa gggttccagt cacttcctta tgttggtgca ctgttcagtg 240
 caatgctttg gatttactat gctttcgtca aaaggg 276

<210> 17276
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960232H1

<400> 17276

atcaaatcaa tccatccaac ctacacattt ctcatcttct ccaaattaac aaaaatggta 60
 gctgggaaat acccttcccc cacatacttc atcttctctgc tcataaccat aacacgtttg 120
 atctccacag tgggcaagac ctcccaatgg atgaaggccc taacgccgcc tccggaactc 180
 gcctcgggtct ccctcgatga caccatcttc agcaagctcc gcaacgacct agaggccctc 240
 caggggaggg cctccaggga ctacgggaac ctcgctcc 277

<210> 17277
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960233H1

<400> 17277

gagcctcccc tccctctctt ctaagatccc caaattgctt gtgaatgcta gaaaccctag 60
 acagattcga ttggatgcgc tcccatttca catcaagggc gagcgcattc ggttcttgca 120
 agcaagcctg gtactaccgc tgcctcggcc tcgacccctg aatttgaacc attcatcacc 180
 acctttcttc attcattcac ggttttctt ttcgactcga tttgctgttt ttttagtttt 240
 gtttccttga cgatgttgac gatgagcaag cagaagaa 278

<210> 17278
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960234H1

<400> 17278

aaaaatactt gctctacctc tgccactttc tgagtacaat acaacactgc catggctgtc 60
 tcagtctcca ctattggagc tgtctacaga gctccactga gcttgaacag ctctgaagct 120
 ggagattcgg ttcccagttc agccttcttt ggcacaagct tgaagaaggt tactgcctca 180
 agggtccta acgtcaagat ttcttctgga agtttcaaaa tcgttgcggc ggagaaagag 240
 attgatgagc aacaacagac aaacaaggac a 271

<210> 17282
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960238H1

<400> 17282
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 ggctagcctc aagggtgcat ttttggctgc agtgctctgc atggttgtgg tgagtgcacc 120
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctgatca attgcatcgg 180
 ttacctccag aacggaggaa cgccgccgtc gggatgctgc aacggagtga agagcctcaa 240
 tgccgccgcc aagaccaccg ccgaccgcca ga 272

<210> 17283
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960239H1

<400> 17283
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 tgtggaaact acaagatgct gttgatgaaa ctgagaaaag aaaaaagtca gaagcttctc 120
 aaataaaaat taatgaagag ttggggatga agatcttggga attggaggct gagttacagg 180
 ctgtactttc tgataaacgc aatttggttaa atgcttatga cctgctaaag gctgaaaagg 240
 agtgttcagt gataagcctt gaatgttgta aa 272

<210> 17284
 <211> 272

ggacctgaac aatgccctga agaaggag

269

<210> 17287
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700960244H1

<400> 17287

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cgaaaggaac aagtacaacc ctcgaaagtg aattaggaag aaaacacaag gaaggttgat 120
gatcatgaag ttctctttta agttaaatta ttatcatttt gtgcatgctc tctctctctc 180
acttgggtcca caacaattga attgaatgta gtatcattat tcgggtct 228

<210> 17288
<211> 196
<212> DNA
<213> Glycine max

<223> Clone ID: 700960245H1

<400> 17288

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tttccgagtc tgcgtttgtg cttgtttcag agagagagag agagagagag agagagtgtt 120
gatttgtttt ttttttctct tgttttaatt aaaaaattaa ttcataaagg gttccttccc 180
ttcctttgag acacaa 196

<210> 17289
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960246H1

<400> 17289

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gatccaccaa ccgttatggc tgccttcagc ggtgatgaaa cggcaccgtt tttcggttc 120
cttggcgccg cagctgccct cgtcttctcc tgtatgggag ctgcctatgg cacagcgaag 180

agtggcgtgg gcgtggcttc catgggtgta atgagacctg agctgggtgat gaagtcgatt 240
gttcctgttg tcatggctgg agtttttg 268

<210> 17290
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960247H1

<400> 17290

atcacttact ggaagccttg ttgtgagtaa gagaaaaggc ttcctgcacc gagcacacca 60
acttgatacc tctgattctt tctttgctta gaattccaca gaatatggag acgctccttt 120
tcaatcactc cccacctttg gaattcaagg gtttgagcca ggaggaggaa gactcattgc 180
tagggcaagt ggaaatatgg agtcctttgg acatgcttca cggactccgt ggccttgaaa 240
gctgtcatag agcttcgtat agcggacat 269

<210> 17291
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960248H1

<400> 17291

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aataagagga tttccaaggg aaagaagggt ggcaagaaga aagccgctga tccctttgcc 120
aagaaagact ggtacgatat caaggcccct tccctcttcc aggtcaagaa tattggcaaa 180
accctcgtct ctcgtaacca gggaaccaag attgcatccg aaggactcaa acatcggggt 240
tttgaggtct cattggctga tctccaaggg ga 272

<210> 17292
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 700960249H1

<400> 17292

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 aacagaaatc gtactgctaa ggccatattg gaccttggtc actctgctga gaataactca 120
 ttatgctatg atcatcttgc attcaggaca tttgggggtga atggttatgg aattgattcc 180
 atggctagtt tttttctgga ttatggctat acacaaaggg aagagttgag gtttccagcc 240
 aaaaagttga gggctttgtg gttttctcct cctg 274

<210> 17293
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960250H1

<400> 17293

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 ttatggctag catgaagggt acatgggtgg ttgtgatcat gtgcatggcc gtggtgggtg 120
 caccgatgat ggcgcaacca tgacatgcaa tgatgtgacg gtgaacatgg cacagtgcct 180
 atcctacctg atgcagggag gaacaccttc aacactttgc tgcagcggag tcaagaacat 240
 tcttggtctt gctgtcacca ccgttgacaa a 271

<210> 17294
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960251H1

<400> 17294

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 tatggcagga ggtggtggag ctccagcacc taagaatgat gagccacaac ctcatcccc 120
 gaaggatcag ttaccgaatg tttcttactg cattacgagt cgtcctccat ggcctgaggg 180
 cataacttctt gggtttcaac attatcttgt gatgctcggg acaactgtgc taattccac 240
 tgctcttgtt ctctgatgg gaggtggcaa tg 272

<210> 17295
 <211> 269

<212> DNA
<213> Glycine max

<223> Clone ID: 700960252H1

<400> 17295

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gtacatgaaa aaattaagaa ccgtaaaaat gcttcaagtg cggatcaaca gagagataac 120
gctgaagagc ttaaacaaaa agaagttttc ctgagggaca acatttcgat gtggatcgga 180
accggcggat acatagtttt gtcggtgatt tccataattg taatcccttt aatgtttcct 240
cagctgaagt ggttctacgt ggtggtcgc 269

<210> 17296
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700960253H1

<400> 17296

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gattcacgag gagatgcggg ctgccccgcc gccgaaggag aaggcggagg accggtaccg 120
cgacgacgag gacgacgatc ccctggagag ctttctgaag gcgaagaagg atttaggggt 180
gactctcgcg tccgacgcgc tgcacgctgg gtatgattcc gacgaggagg tttatgctgc 240
tgccaaagct gtggatgctg gtatgattga 270

<210> 17297
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960254H1

<400> 17297

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ccttcattat ttctctctca ccattctctt cttcttctcc ctttcttaga ttctccctct 120
tttctctctg ccttcgcca tgactgagga taaggagatg tcttctctctg tcaccaatgg 180
acgatgattc cctcactggt cacatcatat ctacaactat tggaggcaaa aatggggaac 240

caaacagact attagttaca tggcagaac

269

<210> 17298
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700960230H1

<400> 17298

gcgacggctg aacctctttg ttctctctgt ctaagaagaa gaagaagaag aagaagaaga 60
agaagaatca aatataccttg agccagacat gtacaggaac gctgcttcac gtcttagggg 120
catcagtgcc cgcttcgtgca gcagcagcag gatacctgcc agtgccagat ttgcaagttc 180
cgttgccaca caacaatctc atgcgccgnt tgggtgggtt atttggatgg ctactggag 240
accgatccag ttctttacca tctctggatt tcccgct 277

<210> 17299
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 700960203H1

<400> 17299

gttactgtgc caacgcattg tgaggccaca agtacctaac acccaactaa gcttttggaa 60
cttagagtta agcagttacc ttctccaac tataatatct caaccaatca aaatcctttt 120
tctcaattct ctctctctct ctctctgact ctctcgacaa taagtgttga ttttttcta 180
aataagttaa agtgtagtta cacctatatt tagtgtttta ccacttttgt gtgccagagt 240
tttctgagtc tcataggagg aatatatgac agaagaacaa acca 284

<210> 17300
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 700960205H1

<400> 17300

atgagtgggc attggtgaac aagcagaagc ctatttggat gaggaaacct gaagagatca 60
 caaaagaaga atatgctgct ttctacaaga gtcttaccaa tgattgggaa gagcatttgg 120
 ctgttaagca cttttctggt gagggtcagc tggagttaa ggctgtcttc tttatcccca 180
 agagggcacc ttttgatctt ttgacacta agaagaagcc taacaacatc aaactgtatg 240
 tccgccgtgt tttcatcatg gacaactgtg aggagttgat g 281

<210> 17301
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960206H1

<400> 17301

tagcaaacga tccaaactct tttttcattt gcagcatcaa aatgagtggg agcaacgatg 60
 gtagcggcag ctggagctct aggtttttga aggtggctag tgcagctgcc gctacagccg 120
 ccgttgccgg cggtttatat gccattcttt catctcctaac ctctgctagc tctgagatgg 180
 aagtgccgtt tggcagcgca cggcgtgaga gcaaagaacg tgacgatggg ggctccgggt 240
 ctcatctctg cgagggtgcc accacgggtca gtcgttggaa 280

<210> 17302
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960207H1

<400> 17302

ctcgatttga aagtacccaa cacaccacac aaacaaaccc atgtcccccc ttttttttct 60
 tcatatcatt ccac 74

<210> 17303
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960208H1

<400> 17303

gtcgcggag aaaattttcc ggcaagttcg tgcaaccgga aactcatcgg cgcgaggtgg 60
 ttctcaggcg gatacgaagc caccacggg aagatgaacg agaccactga gttccgctcg 120
 ccatgcgact ccgacggcca cggcacgcac actgcgtcga tcgccgccgg gaggtacgtc 180
 tctcaggcgt ccacgttggg gtacgcgaat ggcgtcgccg ccgtcatggc gccgaatcgg 240
 gactcgcggg gtataaagtc tgctgg 266

<210> 17304
 <211> 99
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960209H1

<400> 17304

gcccgttcac gtctcatct cgatgtgacg tcgtttcact cccaaacca gatgtttccc 60
 agaagcacca ccacgtatta cacctcctat tcgattcag 99

<210> 17305
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960210H1

<400> 17305

gctgaaactg caactaactg ccaccatcca ggtgttaaag aaagccgggc gcccatctga 60
 acgtctggta agccatgaga attgcaaatt tacaagcca gcagagcatg agtgtgttca 120
 tggtcaggag attacagaag cttctgggac tgaagaagca gaagcagatg ctgagtatga 180
 caatgctcta aaagaagcta ttagagggtg ccaggatgct gtcattggcca taaatgaacg 240
 tatggaagaa gtcagatatg aaattgctgc cttgaagca 280

<210> 17306
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960211H1

<400> 17306

002220 677560

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 actgctctca aactacttca gtatatgggt ctaagcttag ttcattgggtt gagaatagta 120
 gtaattttta acgtgaaagc agtggtttcaa ctggatactc caagcgacca gatgaagttt 180
 gcaaatcaaa tcgtaaaaga cttaaaccag gagagaaccc taggcctagg cctaaagatc 240
 gccaaatgat tcaagatcgt gtgaaagagt tgcgggaaat t 281

<210> 17307
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960212H1

<400> 17307

cacaaatatt gtttttgaaa attgtgatca tcatccaagg gtaaaatgga tttagtttct 60
 gtaggctact gtttgtgata acattgagat atgacatgga aatccctcat ttcctatgaa 120
 ttcataattc tactgtagga gtgtagtgtc caattacgtt ctcttccat ctttaatttaa 180
 aaaaaaaaaa aacattcttc ttccatcttg attaaaatgc tatatgttgt gacaagttgt 240
 tggctctcac tatgcacctg aaaaacaatg ctatgagatg 280

<210> 17308
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960213H1

<400> 17308

caaaaaagta gccactgccc caacgatccc atttcccttg acttctctac ctgaagctcc 60
 ttgtttcgca taggaggttag ttgaaatgtc cgaggggaaat gcaggggaaag gaaagaaaat 120
 cgccatcatt ggtgtctcaa ccttattgtt ggtggctatg gttgtggcgg tcacaattgg 180
 ggtcaatctc aatgagaatg gttccaacaa tgatatagat gacaacaaga aagatcatgt 240
 tgcttcttcc ataaaagccg tccaaaccct ttgtcatccc 280

<210> 17309
 <211> 279
 <212> DNA

<213> Glycine max

<223> Clone ID: 700960214H1

<400> 17309

atacattaca gcagcaaagg aaggttgtgg taagtaaata gtagtaacct aacccttgcg 60
 tttgcgagtg aggctgaggt tgggttttga aggcaaaggc tgggtgtgtc ccaatccaag 120
 agagaagtaa agtaaagcaa aggaatggcg aacatagaca tcgaagggat cttgaagcag 180
 cagcctgatg atgggcgcgt tccgaagacg aaaatagtgt gtactttggg ccccgcttct 240
 cgatccgtgg aaatgactga gaagcttctt agggctggg 279

<210> 17310

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 700960215H1

<400> 17310

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<210> 17311

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700960216H1

<400> 17311

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 aggaggaaaa gggggcagaa ggcattgctg ctgttgattt tcgaggtcac cctgtggaca 120
 agacaaaaac tggaggatgg ctagcagcag ggctcatctt aggtactgaa ctggcagaaa 180
 gaatatgtgt aatgggcata agcatgaact tagtgaccta cttgggttga gttttgaatc 240
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<210> 17312

<211> 282

<212> DNA

281

<400> 17315

<400> 17316

<400> 17317

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gttgtecgaa ttggatttga ttcttcttca cttgcgcgat ttctccgatc aaagtctctc 120
 actttctctc cctcgatcga caccaccac gcgttagaga gagcaaaaaa accccgagag 180
 atcggaaga tgggtacgct tcagtcttgg agaagagcct acggtgcaat caaggatacc 240
 accaaagtgg gtcttgccca tgtcaatagc gattacg 277

<210> 17318
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960224H1
 <400> 17318

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 ttggagggtta cagggcctcc aacgcgcgc atgccgacgt ggcatcggca acatcgaacg 120
 atgagcaacg tagtccgaca tcggtgcctt ctccgaaatg gtacccgggtt tcgcgaggtg 180
 tttcttccgg ggtgtcagag aagtcacaa gcatgttgtt tgccggttaa gatggagctt 240
 cgaaggcatt tccatgggac aacagcatgt tgtcttgg 278

<210> 17319
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960225H1
 <400> 17319

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 gccaccacct cccccaccgc accaggctcg tcgccaccaa agtctctgtc agcctccacg 180
 aaattcccc aatccactcc ataagccgca acattgaatt cgccggaatc gtgactagag 240
 ccgaagcctt ctctacacgc tcgccgatgc tgcgggttg 278

<210> 17320
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960227H1

<400> 17320

cacatcctca accatggcag caccatcttc agagacaatg tcaccatcat cctcgaacac 60
gcagcttccg ctgaaaccaa tcccaggcag ctacggaatg tcgttttttg gagcaataag 120
cgacagacac aactacttct accaccaagg acgcgacaag ttcttcgcga cgaggattga 180
aaaacacaac tccacgtga tccgaaccaa catgcctccg gggcccttca tctcctcgga 240
ccctcgtgtc gtgcggttgt tggacggtgc ctccctccc 279

<210> 17321

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700960228H1

<400> 17321

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tgttttcatc gtcctcaacc aacgccatgt gctcttagtt agacctcca gaggttcttc 120
gtagacaaca cagaagaacg atttgttccg ttgttttagt agctcttgaa atgaaaccac 180
aaaccaatgg gatgtctaga gtcataagg caaataataa tacacagttt gaagggccta 240
actggcttat ttttgctgct ggtgctttgt tgagtac 277

<210> 17322

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700960229H1

<400> 17322

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cttggcttcc ttgggctgac ttggactgct gttgtggaaa gaaacttacg ttcaatattg 120
tttcttgttt gtgcaattat ttgtggctat atatatcagt gtccaccatt gcggttaagc 180
taccaggggc taggagagcc cttgtgcttt gcagcatttg gtcccttttg cacttgctgt 240
ttttatttat tacatgccag tgcaagggtg aagaa 275

<210> 17323
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 700960201H1

<400> 17323

ccgcacagca ctcggaaatt tctggcgatc tctgcgtttt cccctatttt ttctgaatcc 60
cacagaatgg catccaacag ggggtcaagg ggaattcagc agttgttggc tgctgaacaa 120
gaggcacaac ggattgtgaa tgctgcaaaa aatgaaaaat tggctagggt gaaacaggcc 180
aaggaagagg ctgaaaagga gattgctgaa taccgagctc aactagaggc tgagtttcaa 240
aagaaagtgt cagacagtac tggagattct ggagctaattg tc 282

<210> 17324
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700960169H1

<400> 17324

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ttacgatctg catgatcggc gctggcggct tcataggctc gcatctctgc gagaagctca 120
tgtccgaaac ccctcacacc gtctctgccc tcgacgtcta caacgacaag atcaaacacc 180
tcctcgaacc ctccgattcc ccctggggccg gccgcatcac cttccaccgc ctcaacatct 240
aacacgactc tcgcctcg 258

<210> 17325
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960170H1

<400> 17325

aatccatca ggtaatttca aagcaatgca tcgacacata tccaaaggta catggacatt 60
ctcaatgcag gatcagggtt ggcaagtctc tgactgcaca gcagaaggat taaaggctgc 120

<400> 17328

gctgacaatt atcatgggttc ctggtggaaa agacatgggtg ttgttcttga tggtagagata 60
gcagctgtgg cttttaagca tggacatttt gatcaagctg caaagtcata tgagaagggtt 120
tgtgcactgt atgctgggtga aggatggcag gatttgttgg ctgaggtcct tccaattta 180
gctgagtgct agaagagtct taatgatcaa gctggctact tattatcttg tgtgagggtta 240
ctttctcttg atgaagg 257

<210> 17329

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700960175H1

<400> 17329

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ggcaatgtcg aagccagtag aaaacttctg gcaccaacat taccgattt ggggaattct 120
cttcctcgcc tgatatttcc tccatttcca ccagtaacgg actggccaga gtatagggtg 180
cctcccccat tgattcgac gcttccaccc ttctcacctc cttcagccac aactaccaat 240
ccttgagttg aatag 255

<210> 17330

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700960176H1

<400> 17330

gttcatcatg atataaaaat aaaaaataaa aaatcatcca gaatcggatt tcagtgaaga 60
aagacccaaa acgatgaaga agggcgaaaa taagggtcgg actcggacct tcccgggtgga 120
tccgaatgtt ccccgatggg ttgtccagaa ctgccgcaac cctctctgca tcgtaggcgc 180
cgattcttac gccgacaagt tcttcaacga tccttctcgc tacgggatgc aagggtcgtc 240
cattca 246

<210> 17331

ttcagccaca aaagagcaaa caacgctggt gctgaactag acaaccttaa ggaatcagga 240
 atcaagtttg tgac 254

<210> 17334
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960180H1

<400> 17334

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 aatgagttgg tccgcaagac cgggtggcgcc ggcaaaggtc gcaccaacat gcgccgtacc 120
 gtcaagagtg ctctcagag catttggtat ggccctgata gtcccaagta cctgggtcca 180
 ttctcagagc agattccgta atacctgacc ggagaattcc ccggtgacta cggatgggac 240
 actgctggac tatcagct 258

<210> 17335
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960183H1

<400> 17335

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 gattcatagg gaatgacaga tcaatcagtg tggttggttt tacattgaaa aggaaaaaag 120
 tcacttgggc tggttggtta gcatggtctg ctctattaac aacctagtca attgatgcaa 180
 aatgttgtaa ggtctgtatg ttctttgtca tagtatgata tcgattgtaa gaaatgcac 240
 taatttcctc gcgcac 257

<210> 17336
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960184H1

<400> 17336

002220" E.T.E.550

cacagacaca aggttttagtc ttgttaggtt acctctgtga catttgtgct gctagttcat 60
atatttgcgg ctgacaccga gaaggaaagc aggaaaaaaa caaaaaggag cagatgggta 120
gctcaggttt ctcatggaaa ttggcggatc atccaaagct tccaaagggt aagactgtgg 180
ctgttgtggt attggatggt tggggagagg ccacacccaa tgagtacaac tgcattccaca 240
aggctgaaac accctgc 257

<210> 17337
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700960185H1

<400> 17337

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cggcaaccgc cactgccggc gccgacgacg ccaccgtctc aacaaccgcc tcttcttcca 120
atgaagatca gcctgcaccg ccggcggcac caaacattgt gatgtcctcc aaggatcacg 180
attctctctt cagcgggtggc ggcattcagct ttctctctgg aagccgaaat ggaagggttca 240
gctatggata ttccagt 257

<210> 17338
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960186H1

<400> 17338

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gttgattat gaagactttg cgtcatctgg aaataattgt attgtcattt gaagagaaaag 120
cgaagagaaa gatatagcct tcatttactt gacttcattc tgattttgcc caagatacat 180
tacctgtatt tgtatgtaca tctgtatctc tgattgttgg ttttgcattt ttgtgagtg 240
tatttgtgtt ttca 254

<210> 17339
<211> 257
<212> DNA

agtgagttca agaaag

256

<210> 17342
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960190H1

<400> 17342

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cgcgggcgagt gtggcggtgg atgctcagga gaactcggac gtgaagacgc tggatgaagta 120
caagcacggg aagaagtact gcgacaaagg atgggaatgt aagggtctgt caatttactg 180
ttgtaacctc accattaccg attatttcca gacctaccag ttcgagaatc tgttctccaa 240
gcggaactcg cc 252

<210> 17343
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700960191H1

<400> 17343

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tgataaccca gatcagaatt tccctcaa atcctcaagga aagtattacc ttgttgacaa 120
gggatattta aatacagaag ggtttattgc tccttaccaa ggggttcggg accagcatta 180
tgagttttaga ggcgctaata aattaccaag aaacgcaaaa gagctgttca atcacaggca 240
ttgttttctg 250

<210> 17344
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 700960193H1

<400> 17344

ggctcgagaa ttcaacttaa gagatcaata tagccaccat taccaagcct ctttctaata 60

tatgtttcct ccttctgttg cttctagcac acttccatth gggccaaagc caagttgagt 120
tgaattacta ctctaaaagc tgcccaaaag ctgaagagat aatcaaggaa caagtcacac 180
aactatacaa caagcatgga aacactgccg tttcgtgggt cagaaatctc ttccac 236

<210> 17345
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960194H1

<400> 17345

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tgacttataa caccatcacc aaggcgtttt gtgaaaaggg ttcgtttgat tggcggttgt 120
cgggtgcttcg ggagattgag gagaagggtt tgagtcctga ttccatcact ttcaaacactt 180
tgcttgatgg gttgtactca aaaggctcgtt ttgaggaggg tgagaagggtg tgggagcaaa 240
tgagtgtgaa t 251

<210> 17346
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700960195H1

<400> 17346

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cctgctgctc cacctcgcca tcgccgtca cggcatcggc atcaactacg gcacgctcgg 120
cgacaacctt ccaccgcccg cggcggtggc gaacttctg aagacgaaga cgaccatcga 180
ccgcgtgaag atctacgacg tgaacccgga catcctgcgg gccttcgccg gcagcggcat 240
ctccgtgacg gtgac 255

<210> 17347
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960196H1

<400> 17347

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gggagaaagc ctgctgctca aaatgccaaag aaggcacctg ctgctgctgc caggaagaga   60
aacgtaggtg gcaagcaatc tcagtttttg ggtcagaaac tcataactga tatgttggag   120
agtacaggga tatcaccaga gaagaaagtg aggaagatga ggcgtctcc atttaacaag   180
aaaagcagtt ctgtattggg aagggttgct gctgctgaca aagatgaaag tgtaagtaaa   240
gacttgctctg gtgg                                                    254

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<210> 17348

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700960168H1

<400> 17348

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atttaatttg ccaaccgcgc cagatcgcca ttactacaac aacatagacg agtgcggtgc   60
attccctcgt ttaccatgct ttcctaagag aaagagaaaa gtaaaacccc tcactactga   120
tagattttca ttcctccgag gaaaaaaaaa acatgtcgga tgctttgatc aatggattgg   180
ccggagctgg aggagggatc attgctcagc tcatcacata cccacttcaa actgtaaaca   240
ctcgccaaca aaccgagc                                                    258

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<210> 17349

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700960141H1

<400> 17349

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gcaacctagc aatggaggcg attaggaaga gtaggattct tatatttgga ggaactgggt   60
acatagggaa gtatatggtg aaggcaagcg tcacgttagg ccatccaact tttgtctaca   120
ctcgccctct tgatgcacaa actccttcct ctaaggcaca gctttgcaag gaggttcaact   180
ctatgggggt cacacttgct catggagaac ttgagcatga ccagattctg gcagtgatta   240
aacaagtaga cattgtgata tgttc                                                    265

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<210> 17350

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960144H1

<400> 17350

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 catcaaactg aaaacaaccc ttttctcaga actctccggc gcgggtgggtg acctaggcac 120
 ctacatcccc atagttctag ccttatcctt agtgaacaac ttggacctca ccaccacact 180
 ggtcttcact gctctctaca acatcgccac tgggtctctc ttcggcctcc ccattgccgg 240
 ccagcccatg aagtcacat 258

<210> 17351
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960145H1

<400> 17351

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 cggctgacac ccagaaagaa agaaagcagg aaaaaaaca aaaggcgag atgggtagca 120
 caggtttctc atggaaattg gcggatcatc caaagcttcc aaagggttaag actgtggctg 180
 tgggtggtgtt ggatggttgg ggagaggcca caccacatga gtacaactgc atccacaagg 240
 ctgaaacacc ctgcatgg 258

<210> 17352
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960146H1

<400> 17352

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 aagttcacag ctgaagagct acgtcgtatt atggactata agcataatat ccgtaatatg 120
 tctgtcattg ctcatgttga tcacggaaaa tcaaccctca ctgattctct tgtggctgct 180

gctggtatta ttgctcaaga agttgccggt gatgtccgta tgactgatac ccgtgcagat 240
gaagctgagc gtggtat 257

<210> 17353
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700960147H1

<400> 17353

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acttgatatca tcattcattt catctgtgtt gtgttgtagc tgtgatttcc attgccgcca 120
ccgattaccc accaactgat atacataacc tcttcacctt tccctccttc cctaatttat 180
cactaaaaaa acaaacaaat aaaaaaaaaag tccactaagt tggggcacgt cacccatctc 240
gcccttcccc tcgctcatct c 261

<210> 17354
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700960148H1

<400> 17354

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gatgctgagg aactcacaca gtggtccttc tacagggtt tgattgctga gttcattgcc 120
acaatgctct tcctttacat cacagtgtc actgtgattg gttacaagag ccagagtgat 180
gtaaaggctg ggggtgatgt gtgtgggtgga gttggcattc ttggcattgc ttgggccttt 240
ggtggcatga tcttcattct ggt 263

<210> 17355
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700960149H1

<400> 17355

0953113-09200

aggtgtttgc acctgaaaat g

261

<210> 17361

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700960155H1

<400> 17361

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gagaattggt gtccaacgtg ctctccaggt tgccagcgaa ggtgttgctg ctatgcaagt 120

gtgtgtgcaa ctcttggttc gatctcataa ccgatcttca ttttgtttcc aattactatg 180

ttgtctacaa cagtctccag agccaagagg agcatctctt ggtgatccgg agaccctttt 240

tctctggcct caaaacttac at 262

<210> 17362

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700960156H1

<400> 17362

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ctcaatgatg gtaccattat gactatatcc aaggatagag tgaaaccatc accacttcct 120

gatagctgga aactgaggga gatatttgct actggcgttg tgctaggaag ttacatggca 180

ctaatacag tagtattttt ctgggcaatg aaagatacca acttcttctc gaacaagttt 240

ggtgtgaggc cattgagaga ta 262

<210> 17363

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700960157H1

<400> 17363

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002220" E T F E S 60

agtggcacc aaaccaaagc gaacctcgtc ggatacaaaa ttcccaacat atttggtttt 120
 cttcattttc caccttaata ataataataa tacctcctgt tgttggttatt attaataata 180
 tttttctttt ttgggtcggc ttagatttta gaatccttac catgataaaa actcctacaa 240
 aatctcacca gtttcgaacc ta 262

<210> 17364
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960159H1
 <400> 17364

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 tttcctttcc ttttctcct tttctcgatc tctccgctcg tcatcatcat cagacccaaa 120
 caaattctct acgcagatcg aatcaaagct cctccatcca attccgagat cagcactggc 180
 gacctttctc gcatcgaacc tctcgaactt aagttcttct ttgagctcaa gaagcagata 240
 tcatgctctc ttatatt 257

<210> 17365
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960160H1
 <400> 17365

aacccaccca atgtgcagct tccaggtatg tacaacaagg aagagaaccc ccgtgttccc 60
 atcattgtca ccggtaacga tttctcaaca ctctatgcac ctctcatccg tgatgggctg 120
 atggagaagt tctactgggc accaacaagg gaagaccgca ttggtgtttg caccggaatt 180
 ttccgcactg atggtattcc tgaacaggac attgtcaagc ttgttgacac cttccctggc 240
 caatccattg atttc 255

<210> 17366
 <211> 256
 <212> DNA
 <213> Glycine max

<210> 17369
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960164H1

 <400> 17369

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 aaacgagtct tgagtcgaat caagtgctgg tttctatcac actcgcaaca tctgaatttc 120
 ttactatttc tagtgcttgc ttcggttcca aatcctctat ttgaccttgc tggcattatg 180
 tgtggacaat ttggcattcc attttggaat tttttcttg caaccttgat tggaaaggca 240
 atcattaataa ctcacataca ga 262

<210> 17370
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960165H1

 <400> 17370

 gaagcgacgc gtgcgcccgc cgtccgtttg ccgaccagca gtacgtcgcc tcggccccc 60
 aaaggcacgt gccgttggtg accctcgtga ggcggattag ccctacgaga cgccttgaag 120
 cgcaattccc atcgagcggc gggtagaatc ctttcctgag ccaataaaac aatctctctg 180
 tcttccttg aagaaggaga aatgggggga aattaaaagg gaaaaaggca tataaccgga 240
 aacaatcgcg tttcgaattc aaa 263

<210> 17371
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960167H1

 <400> 17371

 cagaacagca agggagaatc aattcctcat cgctgcaatt cttctttcac tctctagttt 60
 ctcttctttc tttcttccaa cctcttctct tctataacct tcagaaaaga aattaaaaaa 120

cgtagcttca gattattcta gctcttcatt ttcccatgtc caatattatg ctgtaaattt 180
 ctcaaactca ctgtttcagc cacattttgg tctaaagatc cgtgctttga cccttggcag 240
 gttcagcttt tgaaggggtt 260

<210> 17372
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700960137H1
 <400> 17372

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 attcttcccc ttcccagcta atgggcacat aataccaagc attgacttag ccagagtctt 180
 tgcttcaaga ggaatcaaaa ccaccgtagt caccactccc ctcaacgttc cacacaactc 240
 aagaacgata ngaaaagcca acatcat 267

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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960102H1
 <400> 17373

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 ttctccatag ctcaaactc ttccagacca aaggcacttg ttcttctgt aaccaaagat 180
 gtttctgcct cagttctca gtatgtcaca caaatcaaac aaagaacccc acttgtggca 240
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<210> 17374
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960106H1

<400> 17374
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 ggagctgtga agaacaacaa cacgcaccgt caccaccacc ctcgctcgct ttttctgate 180
 cagttggact agcttttggg aacaattaca atggcaactt cagagcagca agtccctccc 240
 caaactcctg cagctgatat tgttggcaat g 271

<210> 17375
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960107H1

<400> 17375
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 caatggcatg cattggatgt aaggctcgtc catgtgattt gaggtttcat ttgatgaagg 180
 agatttcagg tatgccctct tctctaaata gggagtcacc acagaatgca gcattctcctg 240
 atgcaatggg tgagtcatcc agcacaggaa c 271

<210> 17376
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960110H1

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 ggatccaaag ttccataatg ctctttatgg ggatgccaag agttttgtga gaaaacttct 180
 ttctttctgc tattcgtatg ttcttgaggt tatgaaccct catgctaaag tcgtacaaaa 240
 atggaacaaa tttttggcca ttttttg 267

<210> 17377
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960111H1

<400> 17377

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 cataaacgac ccataatttt agcttttaaa ggaaataaat cgaataaaaac cacttttggtt 180
 tcacctcagg agaaaattcc tctacccta gaaacagcga agaaacacca gaaaagagta 240
 ggaaagacta gtgagtcact gaagagag 268

<210> 17378
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960112H1

<400> 17378

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 aagcagtttc tgatgcttcc ttgttcccat tttcttcgaa tcaactttgg tgccgatgct 180
 ctcttctctt tcgtcgcgcg gattatggtc tctgttggag tccaagtca aaaccgtgtt 240
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<210> 17379
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960114H1

<400> 17379

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 cttggttcaa aaccaaccgc ttgtactaaa ataccacaag ggtcctcttc taaagggcaa 180

catcacccctc catttgctat ggtaagggtac atttaccccc acgcaacgat caatagtcac 240
cgatttcctt gaatccctaa cctcc 265

<210> 17380
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: 700960115H1

<400> 17380

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tcttgctctg tgctctttcc ttactttat actatttatt tcat 104

<210> 17381
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960116H1

<400> 17381

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tctgtggtat gcgaagacat aaacgtacgc cgagatgatt tttccacagt gattgtgaat 180
cacattcacg gcgagatcaa ggtgggagag gaaggtgtga agggagggat tgcggtcgcc 240
gctagcaacc cagtcggggg tggagttga 269

<210> 17382
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700960117H1

<400> 17382

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ttcgtttttc gttttttgtt accatggagt tgatttcagg tctaccagag gacgtagccc 180

gagactgttt gattagggtt ccctatgatc aattcccggc ggttgcttca gtctgcaaag 240
gctggagcgc ggagattcac tcgccggact tt 272

<210> 17383
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700960118H1

<400> 17383

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ctgtttcttt cactcatacc attaaagctc ttgagccatt cttcaatgct gctgcttcac 180
agttcatact tggccaatca atcccatca ctttgtggct gtcactggct cctgttggtta 240
ttggtgtgtc catggcatct ttgaccgagc 270

<210> 17384
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700960119H1

<400> 17384

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ctagcccagc ggctttctcaa catcacaaaa atctccaatt accgcatttc ctctccgta 120
gtccgttccc cgaacccgac aaaacctgac attgtccgg atcccggaga cagccgcagg 180
ttctccaca agagggcctc cgtgctcccg ccggagctcc gcccgccgct gcccgccggc 240
agcctcctcc agaggctccg ggaaatgg 268

<210> 17385
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960120H1

<400> 17385

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tcaagtttga ggtcttactc agcttccaat tcttacctg ttatggattc ttcttcttct 120
tctaccaggt ttgaaaattt tgtagcttcc ttggttgctc atgtaagtca catataggag 180
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gttttgcttc catcatgtgc atctgcttt 269

<210> 17386
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700960121H1

<400> 17386

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ctggaagaga taccataact tcagctctca cgtgggttctt ttggcttggt gctacaaacc 120
cctcagttga agccaagatt ctcgaagaga tgaaagagaa gcttgggacc aaagaaaagt 180
cgcttgggggt tttaagcgtg gaggaagtga aaaggctggt ttatctgcat ggtgctatat 240
gtgaagcggt gcgtctcttt cctcctata 269

<210> 17387
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700960122H1

<400> 17387

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atttagagga aattagcagc aagttgcctc caaaatgcag tggtagtga actgtacgga 120
tggttagatc acttggtgct gctcgtcatg ctggtgagag actattgaga tgttgacgtg 180
gtgggactgg atgggctggt gaagatgccca aggacaaaat catgaagctc ttggaggagt 240
acgagagtgg aggtgttggt agtgaag 267

<210> 17388
<211> 268

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700960123H1

 <400> 17388

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 gaagaatagc gaacgaattg ccaatttggc tttagcaggt ttaaccttag cgcctcttgt 180
 tgtgaaagta gatccgaatt taaatgttat tttgactgct tccctcactg tgtttgtggg 240
 ctgttaccgc tccgttaaac caacccca 268

<210> 17389
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960125H1

 <400> 17389

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 gaaaaagctc aagtcacaga tttaaactct gtaagcttat cagagccacc agtattgagc 120
 caaggctcaa ccgagcaatt agcactgaaa aacaaggctc ccagatggca tgagcagcta 180
 cagtgctggg gtctaaactt caagggtcgc gtttcagtg cttctgttaa gaactttcaa 240
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<210> 17390
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 <223> Clone ID: 700960129H1

 <400> 17390

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 agagcatgtg ctcaactgtt tagaaaaact atttgagct ggtggcatca tgaaaaatca 120
 tgatggggat tcatgtaatt tgcagcctac caatagaaca aatcaaaatc aaaattccag 180
 acaaaggccg agattatctc ctacagatgc atgtcgccct agtaaccgtg gatctacata 240

cagtgaagcc ttacaagtat a

261

<210> 17391

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700960130H1

<400> 17391

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gcgacgggtcc tccgccctag atcccacctc cgacgccctt ccaaggaaac aagctgtcaa 120

gaaagatgtg ttccgggtgt ttgctgagaa ggtagagac cataaagaat tggtttcaag 180

atgggctgtt ctacaggaga cgctgttga gtattttaga gggaaggatt tcgtgagctt 240

cttaaaaagc catccggagc tca 263

<210> 17392

<211> 264

<212> DNA

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<223> Clone ID: 700960131H1

<400> 17392

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agtgtggtgg tggaggctca ggagaactcg gacgtgaaga cgctggtgaa gcacatgcac 180

gggaagaagt actgcgacaa aggatgggaa tgtaagggtt ggtcaattta ctgttgtaac 240

ctcactatta ctgattatct ccag 264

<210> 17393

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700960132H1

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gtcgtgggag gaactgacgc tgaaagtga atggagcggc aacgaataca ccgtccgcgt 120
 ctgctgcgac gacaccgtgg gcgaactcaa acgtcgaatc tgcgagctaa ccaacgtctt 180
 accccttcgc cagaagctct tgtaccctaa actcgtttcc aaactcagcg acgacctctt 240
 cttcctctcc cagcttcccc tcaactcc 268

<210> 17394
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<223> Clone ID: 700960133H1

<400> 17394

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<223> Clone ID: 700960134H1

<400> 17395

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 acagtgccac atgatacata cgtttatttc atggatcttt tggcaaagac tgtcagagat 120
 gaaatagcag gttgcagtga gaaggcctat gactatcttt caattaagga tgccaagcaa 180
 atgttgctgt tctcctcaga ccaggaactc ctggaatata ttaaagagga gcacccctgag 240
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 <212> DNA
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<223> Clone ID: 700960136H1

<400> 17396

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 gtaccttccc tttggtgttg gcagaagaag ctgccttgga atcattcttg cattgccaat 180
 tcttggcatc actttgggac gtttgggtcca aaactttgag ctcttgcttc cccttgacca 240
 gtcacagatt gacactagtg agaaa 265

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 <223> Clone ID: 700960093H1
 <400> 17397

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 tttccgattt gaactccgaa ttagattctg t 151

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 <223> Clone ID: 700960046H1
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 ggtccaagtg gctttggcca tgtttcaaac tctccctatg gaaccacttt cttaaccac 180
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<400> 17399

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gtcttccttt tcggcaacct tctacaggga caaattgtat tttaggtact gaaaaaagtt 180

tgtgttttat gtagttctcc attgg 205

<210> 17400

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960050H1

<400> 17400

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accaatgtct cttcaacaga aaagggtaaa aaacttacca aacaaaatga ggatggcagt 120

atgtctacac tttttggttg tttagattta ttcacaaggc cagagacagt tggggtcaga 180

ccagaaactt tactgccgga attgtcggga aaggcaggac tcgttgaagc aaatgtctat 240

tagaaag 247

<210> 17401

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700960053H1

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ggag 244

<210> 17402

<211> 243

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246

<210> 17405
 <211> 250
 <212> DNA
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<223> Clone ID: 700960063H1

<400> 17405

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<210> 17406
 <211> 248
 <212> DNA
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<223> Clone ID: 700960064H1

<400> 17406

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 acattatg 248

<210> 17407
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960066H1

<400> 17407

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 ttgtcagtgc cctgactgta gctgcaagaa tacttgggga agctatgact gcagttgtag 240
 tggag 245

<210> 17408
 <211> 202
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960068H1
 <400> 17408

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<210> 17409
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960069H1
 <400> 17409

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<210> 17410
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960071H1
 <400> 17410

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 acatgttaca cgtaaagatg ttaagcgggt gcaggctctt attgagcact gtctgacaca 180
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 ca 242

<210> 17411
 <211> 170
 <212> DNA
 <213> Glycine max
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<210> 17412
 <211> 241
 <212> DNA
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 <223> Clone ID: 700960074H1

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<210> 17413
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700960076H1

<223> Clone ID: 700960079H1

<400> 17416

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<210> 17417

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700960080H1

<400> 17417

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cttgtcactg atcgtcatgt acagagttgc agcatcatca ttcagaaggc atctcaaggg 120

ccatggaggt aacttgggat ccactaggtt ttcaacttca gccgcggtag ctgcaaggac 180

ttcatcaggt ggtttgttta gctggcttac tggagagcgt tctagtgtc ttcctcctct 240

ggacatg 247

<210> 17418

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700960081H1

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cccaatcagc aaaccgtgga ttaccctagt ttcaaactcg tcatcgtcgg tgacggcggt 120

acaggaaaga caacgttcgt gaaaaggcat cttaccggtg aattcgagaa aaaatacgaa 180

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<210> 17419

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700960082H1

<210> 17426
 <211> 241
 <212> DNA
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 <223> Clone ID: 700960091H1

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 acaactcttc tttaaccggt ggagctagag gtccaattct gcttgaggat tatcatcttg 180
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 g 241

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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960092H1

 <400> 17427

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 tgaggccatc tccattcttt atcgggtgct tgatgatcct tcttcttcac cagatgctct 120
 gcgtatgaaa gagcaagcaa tcacaaacct cactaagctt ctactgatg agaatagggg 180
 agaggatctg cgcaccttct tactcagttg aggccattct tctccttgat acctaaggca 240
 aa 242

<210> 17428
 <211> 103
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960011H1

 <400> 17428

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 tacttccact aaagggactt gagctggcca atactgcact ttg 103

<210> 17429
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960012H1

 <400> 17429

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 accctaaagg gttgaggttt acggtgctta agccaagcca aattgcgaga atgtaccact 120
 ccacttccac ggtgcttccc agtggaaaga tttgggtttc tggaagcaac acccacaata 180
 cctatagga cgtggataag ttcccaactg agacaagagt tgaagctttc tctcctcctt 240
 atttgacgc c 251

<210> 17430
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960013H1

 <400> 17430

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 ttgcacctct tgcaccacca ccacaacatg tttatgatca aacaccacca ccacaacaac 120
 aacccttgc atcatcatca gcacaagaag aagggtttcc aaatctaata cagtacgcgc 180
 acttctttgg agtagggatg atgatgatct acagcgtatt gcttcaggcc ttcataca 240
 tcatcatcac aat 253

<210> 17431
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700960014H1

 <400> 17431

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 ctgaattcag gacacaaaat gccagttata ggcattggaa cttcagtga gaatcgtcca 120
 tcaaatgaga cccttgcttc tatctatgtt gaagccattg aggtgggtta ccgtcatttt 180

gacactgctg cagtgtatgg aacagaggaa gccataggcc tagccgtggc caaagccata 240
gacaaaggcc t 251

<210> 17432
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960017H1

<400> 17432

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aacggctctt gctttgtgaa tagcatacca tagcaacaac aacaacacag aacacacaaa 120
gaaaaaaggt ttcattggat cgtaactggg gggcacttgt ccaaattgga aaattcccgga 180
gtgattaggg ttttgatcgg aggggtgtgat tgaaaggaag actgtgcttg ttcattctct 240
ccgtgggggt tg 252

<210> 17433
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700960018H1

<400> 17433

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ctctcggtcg aggggttcttt cgtggggaac actgcagatt tcaccaccg ggtcttattc 180
atccgtgccc atgtccaaag ttctcggtt ttccggagtt gacgatcttt gccctatggg 240
atcaatatac g 251

<210> 17434
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960020H1

<400> 17434

<210> 17440
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700960028H1

<400> 17440

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ataaggaaat tggtcgtgtt ttgtatgaga atacttttta agtcactgt actc 114

<210> 17441
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960029H1

<400> 17441

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aaccagaaga accatttgtg gtggatatgg atctggacca gtggatctcc aagggtcaaag 120

atggccagca tcttcttgaa gacgagcttc aacttctctg cgaatttgta aaagagatcc 180

ttattgagga gtccaatgtg cagcctgtca atagtccagt gactgtttgt ggtgatattc 240

atggtcaat 249

<210> 17442
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700960030H1

<400> 17442

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ttgtccttct tcaaataccg taaaaccttc aagaatccac cacttccacc aggtcctaga 120

gacattccca taatagggaa tcttcatcaa ctagatagtc cttctcttca tgagcagcta 180

tggcatctct caaagaaata tggtccttta ttttcccttc aatttggatt aaggccagcc 240

atagttgttt cc 252

<210> 17443
<211> 82
<212> DNA
<213> Glycine max

<223> Clone ID: 700960031H1

<400> 17443

aaaacagcat gcacctggca agaaatttca ggagattctt gaagaagcaa tagttcgccc 60

ccttcatatt gaaggcgagt ta 82

<210> 17444
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700960032H1

<400> 17444

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ttggtagcat ggcaatgcca tgcgtacgat atgttcctc tccgaatgaa cactggctat 120

gggtgcccgtc ctccggaggt gaaatgagca agttggaggc ttgctgtgga aacacacaac 180

atctttggct ttgagaccaa tcctgaagag tgcgttgaag caacaaagga atacatccat 240

ggcgaacaat atag 254

<210> 17445
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700960033H1

<400> 17445

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gatggattgc attcgcagca tccatcggtg gttcagaagt tatctggaca gtcttatctt 120

gtgtccaggc ttgctcctaa tcaactccaga aactgttcta ccaactggtag ttacttcaat 180

ggaggtttgc agtcttcagg tttggttcca gtcacggcac acgcgccggc tgagaaaggg 240

gtgtctgga 249

tatgcacatg tcatgaagag gccaaagaccg gagggggata cacttgtcca agatgcaaag 180
 ttcgtgtctg tgagcttccc actgaatgtc gtgtgtgtgg attgaccctt atttcttcac 240
 ccc 243

<210> 17449
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960037H1

<400> 17449

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 aagcacacgc aatggagccg tagacagtca agtaaaatcc aatccacgaa atcatttgat 120
 ctatggacag catcgtttgtg gtaaaggccg taatgccaga ggaatcatta ccgcagggca 180
 tagaggggga ggtcataagc gtctataccg taaaattgat tttcgacgga atgaaaaaaa 240
 catatat 247

<210> 17450
 <211> 130
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960038H1

<400> 17450

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 catctccaag agttctcttc ttgagtctct ttgtaactct ttccatgagt ttacatttga 120
 gttcagccag 130

<210> 17451
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960039H1

<400> 17451

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<210> 17460
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959972H1

<400> 17460

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 aagttcgagc acccaaggca cggttcaactg ggatttcttc ccaggaagcg tgctgctcgt 120
 cacaggggaa aagtgaaggc attccccaag gatgacccat ccaaggcacc caagctcact 180
 gcattcttgg gttacaaggc cggtatgact cacattgtta gagaggtcga gaagccagga 240
 tcaaa 245

<210> 17461
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959974H1

<400> 17461

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 gttgagcaac tctgcaagtg attgctacaa aacactagca attaggatat ggttttttggg 120
 aaagctattg tgcttgctcaa attaagcttg aattttcatc atgactttct tttcctttta 180
 tttctgaagt ctatagcccg taactttaaa ttgttgttta atttctgata atctttgcaa 240
 ttttttttaa aga 253

<210> 17462
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959977H1

<400> 17462

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 acccaacaga tgcagcagtt caacaagata ctgaactaca agcatggtgg aaggaagctg 120

tggagaaggg tcatggtgac ttaaaagaaa agccttggtg gcctaaaatg cagacaactg 180
 aagatctcat tcaatcatgc tctattatcg ttggacagc ttcggctctc catgctgctg 240
 ttaattttgg acaa 254

<210> 17463
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959978H1
 <400> 17463

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 taccgttcca caagccgtat aagacaaaaa gatctgatcc cctccgacgc cgtctacgac 120
 ctccgtgca tcgccgagcg catgctctcc tccggctacc tccgcgagtg catccaggtc 180
 tacggcagcg ttcgaaaatc ctccgtcgac gcgagcttcc gcaagctcca catcgcaaag 240
 ctcagcatcg gag 253

<210> 17464
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959981H1
 <400> 17464

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 acaagtacgc ttctgcatgt gctatTTTTGG cttcaatgac ttccatccta ctaggttacc 120
 atattggagt gatgagtgga gcagcactgt acatacaaag agatctcaag gtatcgagac 180
 tgcaaattga tatectgac ggtatcataa acctctactc tcccgctcggg tctttcatcg 240
 ccggcagaac tc 252

<210> 17465
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959982H1

<400> 17465
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ttctgagttc taagcactca cctctttcat acacgtttgt tcgcttggtg agaagccatg 120
ggcgaggatt tcgagttccc aagtgtctggc aacatggaaa tgcctgagga ggaagagttt 180
gagagtccga tcctgaaggt tggggaggag aaggagcttg ggaaaatggg gctgaagaag 240
aaattgctca a 251

<210> 17466
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959983H1

<400> 17466
tggagaagca tggagcaaag cttctgatgg cccctatgca tgttaatcat gcacgtgaag 60
tcccagagta tgaaatcaat cctaaagagc ttgattttac caacagtgtg gagataacaa 120
aggggacttt ctgtattgca ctgtggcgtg gaacagaggt tgcagtaaaa aagcttgggg 180
aggatgtaat tagtgatgag gagaaagtga aggctttcag agatgagctt gctctgttcc 240
agaaaaat 247

<210> 17467
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 700959984H1

<400> 17467
cagcaattgc atagcccttg catctacagt taacggggct tgttgcccaa gttgcaatca 60
tccagctgag tgaactgtac agacttaaag cgc 93

<210> 17468
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959985H1

<400> 17468

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tgctgaccga tgattcgcag ggtgttgaat cacacactcc aggagtgcct tgtccaaatt 120

attccgagtc tgagcatgca gagaaagcag atagtgaagt tcaaaccttg aggaaagccc 180

tggccaaaat acagtctgac aaggatgcta tctttcttca gtatcagaag agtatggaga 240

agttat 246

<210> 17469

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 700959986H1

<400> 17469

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tataggccaa ttgatgctta gaagttacaa taagt 95

<210> 17470

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959987H1

<400> 17470

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ttccacttgc acatatattt gatagggtca ttgaggagac attcatatgg catggtgctt 120

caataggttt ctggcgtggg gatgtcaaatt tgtaattga agatgttggc gaactaaaac 180

caactatttt ctgtgctggt ccccggtgtgc ttgatagagt gtactcaggt ttgacgcaga 240

agattt 246

<210> 17471

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700959988H1

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<400> 17471

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ttctgtttat tatatgaaat agtaaataac atctctgttt gagttatttc tggtatatat 120

ttgaagaagt aaaaagacga gtatgatggg gtaaaccta atctctgata atgggaagcg 180

ggaagtatta gtggtgaggt ttgagtcag tatgttctgg aatgcgttgg taaatccgat 240

tcata 245

<210> 17472

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700959990H1

<400> 17472

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tggtttcacg tatgagctga agctttcaac gaggccagag aaatacctag gagatattgc 120

aacttgggac aaagctgaaa gtgctcttaa agaagcttta gatgattttg gcaagccttg 180

gcagttgaat gaaggggatg gtgcattcta cggaccaaag atagacatca gtgtatctga 240

tgcattgagt 250

<210> 17473

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700959991H1

<400> 17473

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gccttttagat tctgattctg agtctctgct gctatatatg gcgccacgcg tatttcttgt 120

gttggggatg ttgctgatgg tgtgccttgt taaggtttcg tctgatccaa agagagaaga 180

agaaatactg gaagaagaac tacattttcc cgataacgag ccacttattg tgagagacgg 240

gaacagaag 249

<210> 17474
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959994H1

<400> 17474

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actatcattg gagataatgt cactgtaggt catagtgctg tgttacaagg atgtacagtt 120
gaggatgagg catttattgg catgggtgca accttgcttg atgggtgtata tgttgagaaa 180
catgccatgg ttgctgctgg agctcttgctc aggcagaata caaggatccc ctatggagag 240
gtttggggag gta 253

<210> 17475
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959996H1

<400> 17475

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gcatggcttc cattcaacac tctctgcca ctccaaaag ttcatgggta ttcttaatgg 120
tattgatact gatgcatgga atcctgccac cgatgcattt cttccagtcc agtacaatgc 180
aactgatctt caagggaaag cagagaataa gcaagccttg agaaggaact aggtctttca 240
tctacagatg ttaggaggc 259

<210> 17476
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700960001H1

<400> 17476

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caatgagttg gtccgcaaga ccggtggcgc cggcaaaggt cgcaccaaca tgcgccgtac 120
cgtcaagagt gctcctcaga gcatttggtg tggccctgat cgtcccaagt acctgggtcc 180

gaaagtgggtg ttggctgagg gagcagcggg taccgtcaaa ggtgcaagat ccgttagtct 60
 tcggcaacct cttgatttcc ctcttccggt aaaccgaacg gagaatgggt ttgctaacgg 120
 tcttttaact ttggctgagc atcttcgcca tgcttctaga acccaggggt ctccgattct 180
 ctgctgaga atcgttgggc ccacatcgct cacagcagcg ccttcttccg acataacaac 240
 ctcaacctc 249

<210> 17480
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960006H1

<400> 17480

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 gactgtagca gagaagtgga tacaggcttg ctgcctgaaa ttaaaggcgg agtttgacct 180
 ttactcatcc attgtcaaaa atggtgcttg cactgcgcaa agggcatctg gccaaagtaaa 240
 acctactga 249

<210> 17481
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700960007H1

<400> 17481

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 tgagggatcg ctcaacgcct tccaactctg tttctttgcc tgctccatct actttgcagc 180
 atttgaagga gatagcgtct cttatcgaga ccggttcgta ctgaaggaa gttcgtagaa 240
 ttgctcgcg 249

<210> 17482
 <211> 252

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cgcgttcttc tgaagctttt cctcagatat cttatgattt ggtatttgag aaggaatttg 240
agctatccca taactggaaa 260

<210> 17488
<211> 256
<212> DNA
<213> Glycine max
<223> Clone ID: 700959946H1
<400> 17488

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aagcaaagac agaatcattc attgtcagtg atcacagagg agaattgtac aagaagcacc 120
atcctcctgg tctgtctgat gaagtttga gattggaaaa aataggcaag gatggagctt 180
tccacaagcg cttgagtcgg gaaaagatcg ttactgttag agagtttctc acacttctga 240
atctggatcc agcaaa 256

<210> 17489
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: 700959947H1
<400> 17489

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aaataaccag gctttgagta acatgatgat catttattat gtttattaat tgttcagaa 120
gataggagta gtctgagtgt agctttaatc tagctagttt gatttggtt gtagtgcctc 180
tttgtgttag cctttgtatg ggatgtaaaa cagtgtcctc ttgaaggaaa gaaaaaaaaat 240
agttgttctc 250

<210> 17490
<211> 258
<212> DNA
<213> Glycine max

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<210> 17493
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959953H1

<400> 17493

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gatacacagt cagaaagaag tacaccattc atgggtggga acttggtaat gaattgtgtg 120
gaaatggaat aggagcaagt gttgcagcag atcaatatgc ttttgatgta ggtgctttaa 180
gaaacatagt tgaaaatgca tatagagggt ttgaacataa taagccacta gtcattgcac 240
ctggaggctt c 251

<210> 17494
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959954H1

<400> 17494

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gaggaggagc tcttcccttc aaccccaggc aagttcaaga tcgagcgggc ccaccacatg 120
aacgccagc tctaccgctg cttcgctctc accagcacca tgttctctgtg ggccctctct 180
ttaategccc tcaccgcttc atatctcagc ttccaaggct tcgttgattc cggcagccgc 240
tacctctccg c 251

<210> 17495
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959955H1

<400> 17495

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atgtatgtct atgaggctta tgaaggcttt aaaacagttg aaacacttaa gcaacaggct 180
 atattcatcc ctaaaaaggt gaaggatgta tatttgatgc atattttgga taaaatggaa 240
 gatatgggaa t 251

<210> 17496
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959956H1
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 ttgcagaagg tttgattttct gctgtggagg ttggacttgg agcatctgga gagctaaaat 120
 atcctttcttt ctcagaaaaga atgggatgga ggtatcctgg tatcggtgag ttccagtgcct 180
 atgataaata cctgcagcat agtctgcgca gagcagccaa attacgtggt cactctttct 240
 gggctaga 248

<210> 17497
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959957H1
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 aagatcaagt tgatatttta atagaactta ctggtcacac tgcaaacaat aagctgggaa 180
 tgctggcatg ccgacctgct ccagttcagg tgacttggat tggttatccc aatacaacag 240
 gattgcctac aattg 255

<210> 17498
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959958H1

<400> 17498

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aatatcaatt cttgagaagc tccacttgaa aggggtttgtg catggagatg tgaaacctga 120

aaactttttg cttggtcaac ctggatcagc tgaagataag aagttatatc ttattgatct 180

tggtctggct tctagatgga aggatgcac atctgggtcta catgttgatt atgatcagag 240

acctgatata ttcagg 256

<210> 17499

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959959H1

<400> 17499

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atgaaaagtt tttgagactc agcagttaaa agagaaaagg gattcagcga agatgacatc 120

ggttggtgtg gcaccaactt cgggtttgag agaagccagt gggcatggag cagcagctgc 180

ggatagattg ccagaggaga tgaacgatat gaaaattagg gatgatagag aaatggaagc 240

cacagttggt gatgg 255

<210> 17500

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700959960H1

<400> 17500

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cgagtcacac tcgcgccacc gtgcactcag ctccggccat cgccgttggt tccctcactt 120

tctcactctt cttcttcttc ttcttcttct tcttcttctt cttcttctca gcggaaatat 180

gccttctcag aaggttgaaa cgggtcatca agacacggtc catgatgttg caatggatta 240

ctatggtaag aggctggc 258

0053113-03600

<210> 17501
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959961H1

<400> 17501

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 acgggttttg atcctgagta taataggttg ttcaatgagg gcatgggtg cactgctagg 120
 gttgtgtcca aggctgtgat cactggctac aaagatgggt tcaaccagat taagtccttg 180
 gttgatgttg gaggtggcat tggagggtct ctttcggaga ttgtagggc ttatcctcat 240
 atcaatgccca tca 253

<210> 17502
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959962H1

<400> 17502

gccgcccttt tataattttt atttttttaa tatctttaat aaagataacg gaaaaaaaca 60
 acaaagggaa accccccccc ctctccccct tcgggggaaa 100

<210> 17503
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959963H1

<400> 17503

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 ctactcatag ccttcgccac ctctgtctcc ggccgccgtg acctcgtcgg agactttctc 120
 cggctgacct ccgaaactga taacgacgac aacttcaagg gcaccoggtg ggccgtcctc 180
 ctgcgccgtt ccaatgggta ctggaattac agacatcagg ctgatgtttg tcacgcctat 240
 caaatattga ggaaagggtg tctgaaagaa gaaaatatta ttgtttttat g 291

<210> 17504
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700959964H1

<400> 17504

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ggtagcacc aaatcttctc tatccaccga gccacctctc aagcagcaac aaccaaacc 120
cgaaaatccc cctcaagaat acgaagaagt cgaagaggaa gttgaggaag aagaggtaga 180
ggaagaggtc gacagaggaa gaagaagaag aagaggagga cgaggaagaa gaggaggagg 240
aagatgatga agaagtagta aacga 265

<210> 17505
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959965H1

<400> 17505

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agaccggtgg cgccggcaaa ggtcgacta acatgcgccg caccgtcaag agtgctcctc 180
agagcatttg gtatggccct gaccgtccca agtacttggg tccattctcg gagcagattc 240
catcatacct gaccgg 256

<210> 17506
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959966H1

<400> 17506

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tagattctca tttttctctt cttctacccc ttcagaaaaa accatgtctt catattatat 120
gtatatctag ctcttcattt tttcttgctc aagattatgc tgtaaaattc tgaaactcac 180

ccacgttcaa gctcttcttg tgcagcttgc aagtctctga agagaaggtg catacccaat 60
 tgcataatttg caccttactt tcgctctgac gaggcaaga aattcgccaa ggtgcacaag 120
 gtgttcgggg caagcaatgt gagcaagatc ctcggtgagg ttcctgagga acagagagag 180
 gatacgggtga attcgcttgc ttatgaggcg gaagcacggc ttcgggaccc ggtttatgga 240
 tgcattggtg ccata 255

<210> 17510
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959909H1

<400> 17510
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 atgtcaattt cctcttctgg ctcatcggcc taatccaatc cagccactgg atgattgacc 120
 cgtattggac agtgatacct gtgatgcttg ttcattactg ttcaactcac cctttggcac 180
 agtatcagtg gtggagggtcg aggatcgtaa cgttgttgac ttgggcgtgg agtgttaggc 240
 tgatccacaa ctacttca 258

<210> 17511
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959911H1

<400> 17511
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 tcactcttgg tcttgcgaga gaaagccatg ccagaaacga agatttttgg catgctgttt 120
 ggccaaacac tcccatcca agttcattgc aagaacttct aaagcctggc cctgcaagta 180
 ttgaaatcga tgatcaccct atgtaaattg aagaaacaca gtacccgaaa accttcttct 240
 ataaagaag 249

<210> 17512
 <211> 249

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<400> 17512

<210>	17513
<211>	251
<212>	DNA
<213>	Glycine max

<400>	17513
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<210>	17514
<211>	261
<212>	DNA
<213>	Glycine max

<400>	17514
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7635

tgaggaaaca attgggggct g

261

<210> 17515
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 700959916H1

<400> 17515

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aagagactga ggttcccaaa aatgaaggcc aagtaaacia gccagaacia caaccagttt 120
tcaccccaga aacagaaaac agctatggtc tatatggcca tgagactggc ctgcaccctc 180
ccaccactac aataactaat gctgctccct acaccaccgc caccacctac aagccataca 240
aaactaccac agctgaagag gacactgcc 269

<210> 17516
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959917H1

<400> 17516

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ctgttggtca acaaattaat gtgacttggt aagtagagca attattagga aataatcgaa 120
ttagagctgt agctatgagt ggcacagaag gtctaagtag aggaatggaa gtgattgaca 180
caggagctgc cctaagtgtt ccagtaggtg gagcaactct aggacgaatt ttcaacgtgc 240
ttggagagcc cactgat 257

<210> 17517
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959918H1

<400> 17517

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aaagtatcta tatattatag catgtatctc agaacagttc tttgtgtgat aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagggggcc ccactaaaat tggcctttcc 180
 ccccgggatt tattttccgg agggaacact tagagctaca atatttcccc aaaggggaac 240
 catttaac 248

<210> 17521
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959922H1
 <400> 17521

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 tattaatcta tggtaggata tagaatctga agctgaaaaa aggggttaat tgttttgcag 120
 aatcagtata attgtagaga gcgagatgga tcactatggt tcttctggag gaagctggac 180
 aatgatccca acccacaatt cccaatccca atcgaaccag gaccctaacc tctttctgca 240
 acaacaacaa catt 254

<210> 17522
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959923H1
 <400> 17522

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 gctttgatc cgtctgctag tgatgatgca atcagcctta ttacatcact ttgctcctgg 120
 gatccctgca agaggccaac agcttcagag gctcttcaac atcctttctt ccagagttgc 180
 ttttacattc ctccatccct tcgcaacaga gcagtagcaa gaactcctcc acctgctgga 240
 accagaggag cactgg 256

<210> 17523
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959924H1

<400> 17523

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ctcttcgacg gcgacggaat ggtccacgcc gttaaattca atgacggcac cgccagctac 120
gcgtgccgct tcaccgaaac gcagcgtctc atgcaggagc gcaaattggg aaaacctgtg 180
tttccaagg caatcggcga actccacggc cattccggca tcgagaggtt gatgctgttc 240
tacgaagag gcttg 255

<210> 17524
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959925H1

<400> 17524

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ggctaagatg tgtgttttgg tgttggttct tgctctggct gtggccacaa gtgccagaaa 120
cgttcccaac cccaaggatg ctggtcttaa ggaccagaag aacttcatca gctatggtgg 180
agttggtggt tattccggga ttgggaacaa tggactgcct tttggaggag ctggtgccgg 240
aataggt 247

<210> 17525
<211> 113
<212> DNA
<213> Glycine max

<223> Clone ID: 700959926H1

<400> 17525

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attgtgactg cagttgagca actctgcaag tgcttgctac aagacactag caa 113

<210> 17526
<211> 251
<212> DNA
<213> Glycine max

0 **1** **2** **3** **4**

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

0 **1** **2** **3** **4** **5**

[illegible]

ccttggtgac gccctgggtg aggagtttaa aggatatgtt ttcaaaatca ctgggtgggtg 180
 tgacaaacaa ggattcccaa tgaagcaggg agtggtgacc cctggtcgtg ttcgactctt 240
 gctccataga gga 253

<210> 17532
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959936H1

<400> 17532

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 cctcaaaacc ctagctgtcc gcctgtctgc aacggcgctg ttatgatcag ttgagaatcc 120
 aaaggaatcg agtcgaatca tctgaccggc gacagttatg tacagagagc gaggaggcgt 180
 cggatccaaa tcggaggtaa cttccgttga tcggaagcga atcaacgacg tcctcgataa 240
 acagcttgaa cgttc 255

<210> 17533
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959906H1

<400> 17533

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 attgtggaga cacaacatca tggattctcc tttgtgtgca caagaccatg ttttgcccaa 120
 caaacacaca tggaagatga gcctttgtgc tatcgtggct atcacaattg ttggactagt 180
 agtcagaggc aacactagct atggaatact gtccggagca gaaaaatata atgatggaat 240
 cgcaaccaat cagggaga 258

<210> 17534
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959863H1

<400> 17534
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 atcctcatca tcttattatt cctcttccat ctctattctc cataacaccc accacaccac 120
 ttgtgaaacc cctcattaat atcacacact gacatgtatc tctgagctcc aatccaatac 180
 aagaccacac cttgtcgtgt cggacgaacc ttggtgtctg tttttttttt ttttttccat 240
 aatttcccc 249

<210> 17535
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959864H1

<400> 17535
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 tgagcagcag gaactgtctc aacagcacct taatggcaat acttttgctg ataaattaag 120
 gttttccaat tcaacctaca ggaatgagcc atcttcagca agcattttga actcatcagc 180
 aaagccttgg gataggcaaa tcaggaatac tgatttgcac gtttagcagtg gtcaagagggc 240
 acttgtttat g 251

<210> 17536
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959866H1

<400> 17536
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 ctagtggcga tgctgccatc ccctggcatg ggccacctaa tcccaatgat cgagtgcga 120
 aagcgagtgg tgtgctacca taacctggcg gtgagcttcg tgatccccac tgacggccca 180
 ccttcaaaag cccaaaaggc agttctggag gcccttcagg actcaatttc ccacaccttc 240
 ctccct 246

<210> 17537
 <211> 246
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959867H1

 <400> 17537

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 tccgcttctt cccactccca gtcacaatat gcagacagcg ttgaatctga agcaggagct 120
 gatactattg actataaatc tttaaccgat gaagagtgga agaagcggct cacaaatgaa 180
 cagttctata ttactcgtca gaagggaact gaaagagctt tcaactggga gtactggaat 240
 actaaa 246

<210> 17538
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959869H1

 <400> 17538

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 aggaattgca gaaacaattg gggaagaagc aaaagtttga agcttctgtt tcgtctctta 180
 aaacccttct ccaacgcact taccatcag cttccccggc gcttcgtaaa tccttttatt 240
 cag 243

<210> 17539
 <211> 222
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959871H1

 <400> 17539

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 ccaagacttg gtgagtgtca ctgctgaaga gagaaccacg cagaactgac gcaatgggaa 120
 gcacaagttt gcttcatcta ttacttggtg ttgttttggc tctgctgagt gtgtctcttg 180

tggaaggaga agatgcatac aaatactaca cgtggactgt ga

222

<210> 17540
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959875H1

<400> 17540

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tgggtatcgc caaatttctc gattttccgc atattttgga ttttagagggg tttgaagaaa 120

taaccgaact ttggaaggaa aaacacaacc ccatatgatg caacgcttgg ttgatcatgt 180

tcttgctgtt actaaagagt cattgaaggc aattacttat gagtccttaa atattgtgag 240

g 241

<210> 17541
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959879H1

<400> 17541

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ttgtttgtct gcagaagcat gggctcataa cagattcaag aataataata cagagaaaag 120

acaaatctat gcatgatgat ctaatttctt atttccctct cctctgttcc tttctctgca 180

tgcatacaca gcagcagcat ttattactaa caacaatgac tatcatatac gcacaatgaa 240

gcatt 245

<210> 17542
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959881H1

<400> 17542

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ctctgcaaca gaacagcgga gaaggagcaa aattaatgac agattccaaa tgctaagaga 120
gcttattcca cacagtgacc aaacacaggg acaaagcatc ttttttattg gaggtcgttg 180
agtatattca tttttttacaa gagaagggtgc acaagtatga aggttcattt caagggtgga 240
gntaacgagc cagaaaaatt gatgc 265

<210> 17543
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959882H1

<400> 17543

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ccaagacctt ggtttacctt gccacacaaa aaaatatata aaaaggcaaa ataataataa 120
aaaaaagaga aggcttggag ccaagaaaat aaactcaaag cccaagctga tgaagcacia 180
aaaattgctc ttgaggccta tgtcccagtg ccagaagatg tcaccgacga actcaatttc 240
catggtt 246

<210> 17544
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959883H1

<400> 17544

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acccttcaac catttcaatt ccttccctca cccaaaccgc actatcggtc ttcgacacgg 120
tcctgtttat taagcggttt ggataaaaga atagaagcgt aaaatggcct tcgtagcaca 180
tcaacctcag ggtttgtttg tgacatcttc ctcgaggcgt ttgccatgga gcaaaaggct 240
g 241

<210> 17545
<211> 240
<212> DNA

<213> Glycine max

<223> Clone ID: 700959884H1

<400> 17545

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gtcattagtc catagtccat agagtcatta ttattggtat tgttatttta ttatttggtta 180
cttggttcctt gatagtcact attattggtg cataaaatag agcaacatga agaacagaac 240

<210> 17546

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959885H1

<400> 17546

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ccggccactc ctctcgccgg cgagccctta ctcttcctc ctccgtcgag cctctccta 120
ttcgaatcgt tcccagcctc gcaccaccat gaatcccgaa tacgattatt tgttcaagct 180
tttctgtgatt ggagattctg gtgtaggcaa gtcatgtctt ctcttgaggt ttgctgatga 240

<210> 17547

<211> 81

<212> DNA

<213> Glycine max

<223> Clone ID: 700959886H1

<400> 17547

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ggaattgggt tctcttccta a 81

<210> 17548

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700959888H1

<400> 17548

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tatgtttgct ccttactact tcaatgcgta catgtccttc cagatgactg gcattaccaa 120
tattctagtt ggtcctggta gctcagacac actccatcct gatgcagatt ggttggaaag 180
aatattatca gaaaataaac cggctccaaa gcttggttact gttgtaaatac caggcaatc 239

<210> 17549

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700959890H1

<400> 17549

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gccacccaca cccaccaccg caggacgacg acgacgacga acgacccacc gtttacactc 120
cgccgggaaa ctccctcagc aaccgcccac ctccgttcta cggcgtccct caaccaccac 180
cccctcagcc ggagaccac gtgttccatt cgcctcacgt gacaccagga cacgtgtc 238

<210> 17550

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700959891H1

<400> 17550

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gccacccaca cccaccaccg caggacgacg gacgacgacg aacgaccac cgtttacctc 120
cgccgggaa actccttcag caaccgcca cctccgttct acggcgtccc tcaaccacca 180
ccccctcagc cggagaccca cgtgttccat tccgctcacg tgacaccagg acacgtgtcc 240
c 241

<210> 17551

<211> 239

<212> DNA

<213> Glycine max

<213> Glycine max

<223> Clone ID: 700959901H1

<400> 17554

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ggagcaggag caggaacagg aacaggagca ggatctggaa gaacaagaag accaaaccgg 180
aattgcagct gaggcttttg tttccatc ataaaactgtg gcctatgatg acctccaaat 240
gacaacttgt ccatcatctg aatctt 266

<210> 17555

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700959902H1

<400> 17555

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ctccacttga aatcgagttc gcagagaaac cttattgtgc tgaatcctcc aaatgggttg 120
cgtttgtggc acaatgaaat ccaaaaggca tgtgtgggta ttggtggtcc tgaagggtcat 180
cctggtcaac aaacatttag tggcacattt agcattcaga aatataaatt tggatacaaa 240
cttgtgttct gtatcactgg ctca 264

<210> 17556

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959903H1

<400> 17556

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aggaagaggc gtaacctctt tgagagcata caacaataat ggaagaggac acccacacaa 120
gatcccccca agccgagggc atggtggaac acagtgtcat gagcattgtg gaacgtcagg 180
ctacaagtcg agtttacact gccgatgcgt attaacgacg aggacgagca 230

<210> 17557
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700959904H1

<400> 17557

gcaaaaaaaaa atctcaaaat aaaacaacca aaccacacac ctcacaccct cttcaacatc 60
ctcagcaaga acaagaagaa gaagaagaaa caatgtcttg ctccaatctg acaatggttg 120
tgtcctcaaa accttccctt tccgaccct cgaacctctc cttccgctct gtcctgaacc 180
cttttcagct ccttacacaa aaccagctt catgcacccc ttcacgctcc tcaagcacc 240
aaattcagtg tggctgaga g 261

<210> 17558
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959905H1

<400> 17558

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ttctgttcgt agagcaattt gtgaaagact ggacaagtgc tggcctgaga gattaaacag 120
atggctccct aacagtttaa agtacaagaa cctacagcaa gaaagtgaac tagttttgtt 180
caaaactgaa gatcaataac agtgaatgga caaattgtga tcttccatgc caagtacat 240
ttcttattct agtttacta 259

<210> 17559
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700959861H1

<400> 17559

gttctagata agaatggaag gcgtccctta ctccaattac tacatcctaa tagttcacgt 60
tatttcagtc ctgatgatct tgettctctg aatttatcta taccttctct gtctctcaag 120

gatcagtcag aagcaagctc tctgacagaa acttcgaagg ttccacttgg tgacaaggaa 180
 tccaaggatg acatagagtt ggcattgaac gaagtaataa agataaaaact tctgtggatg 240
 att 243

<210> 17560
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959820H1

<400> 17560

gagagaacaa agcacttagt gctattcaat aattacgaaa aaccaacagc gagtgttggt 60
 tttgtttggt ccaggcagga ccagggaatg aatagagatg agaggctttc gggtgaagag 120
 aactgagtta agcggcgaag ccaaacgcag aatcggcggc agaaattgcc accggaagca 180
 cgtcgaagac aggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca 240
 actcaaattct g 251

<210> 17561
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959824H1

<400> 17561

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 ttctctggat tacctcaacc tc 82

<210> 17562
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959825H1

<400> 17562

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 gaattccctg caattaacat aagcataacc cttttccaac ctttctcctc ttcagatcgg 120

atcagatcag atccaccgcc atggatttca tgaaggtctt cgatcaaacc gttcgagaaa 180
 taaagagaga ggtgaatctg aaggtgctca agattccgga aatcgaacag aaggtgctgg 240
 atgctactga t 251

<210> 17563
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959826H1
 <400> 17563

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 agattggcta ggaaactttg gctgcctgct tttttctttc ttaccgtttg tcaaacttgg 120
 acgactcaat tacaaatatt attcattaaa cttactctat tcctcctcag tacaaagccc 180
 aaccctttct ctgtctatgt atttgttgat aagttgtgcc aacgatatat gcaccaagaa 240
 actcgatt 248

<210> 17564
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959829H1
 <400> 17564

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 tttgattcaa ttaattctca tcttgatgat tgtatgagct agattttggt ggagattctg 120
 gtcaattgca ttcgaagcga cttgatcaat tttttgaaaa aaaaaaaatt ggggatgtag 180
 tttgtattga atattcacac acccaataaa acaaataaag agttccagta acagaacctt 240
 ttaggcttt 249

<210> 17565
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959830H1

<400> 17565

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tcgaaattta ctatcaaacc aaaaattctc aaaatctctt cacctctgtg atgaccatgg 120

aatacagaac cttagaactc aacatcatat ccgcaaagga catcaagaac gttaacctct 180

tctccaagat ggacgtatac gccgtcgta cgtctccgg cgaccctctc caccctcagg 240

gcgccaccac 250

<210> 17566

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959831H1

<400> 17566

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ccatcattat ctttctggtt tcgtaacaag ttccctgtca tggatctctg ttttgttatt 120

ggaccaatgg gtaaggactc tattttgttt agaccatca tgaccatcaa tggcaacaca 180

atggagacac agttaactga aaagagggtg tgtttagact tccgagcatt agattatcat 240

atacttatca t 251

<210> 17567

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959832H1

<400> 17567

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ctcatgcatg ttgctatgtc gtggaatagt ttataactct gactcgcacg gtcgcgcact 120

tctttcggaa gatctaaaag gtcaattttt ggtaaccctg ggatgcttaa atgcgtgttg 180

aggtctttga tggattttgt tgtggtttcg tgaatgactg ggagttggag aaagggttgca 240

agagatgaag cgccg 255

<210> 17568

<211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959833H1

 <400> 17568

 agcctctgca tctcgaacct ctacccactg atgagggttca tacagtggga caagccccca 60
 atcaattcat tcagtggcca agaagacttg tgaagtctat gtcagccaag gctgttgctg 120
 aatctagcaa agatgctcca cacaaaaggt tggaacctca acttgatccg ctcgaacgct 180
 tgttgataat agtaagcaaa attaggaagg atcatgtaca actaccttgg gatccggatg 240
 tactaagcaa gccctct 257

<210> 17569
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959834H1

 <400> 17569

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 agagccttcc tttgcggttt ttcttcttga gaagaagaag gctctttggt gttgttgatt 120
 ttgaagaagg aaagaaggaa ggaagaaaat gttgaggcta tggatttctt atctgcaatt 180
 ggtggaactt tttgtgagtt cattgggttca tatgctttat gggttttaca tatttagctc 240
 cgctgtggct ggg 253

<210> 17570
 <211> 248
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959836H1

 <400> 17570

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 gcctttggcc acttcgaacc ggtctccaaa tgcagcaccg agaaccgggc taaccaaacc 120
 gtggcctcgg acttgacgg caccctcctg gtgtcccca gcgcatttcc ttactacatg 180

ctggcagcca tcgaagccgg cagcttcctc cgtggccttg tctccttgc ctccgtccct 240
 ttcgtgta 248

<210> 17571
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959837H1

<400> 17571

caagatcatc atctccatga aaaccctaac cctagagggtg gtccactct tcttcctcct 60
 ccttaccacc aaacagctcc tcacatgtca gccacagcat tgctgcagaa agcagcccaa 120
 atgggtgcaa cgatgagcaa aaccgggtcc atgattagga cccaccaaca gcagggtcac 180
 gtgtctgcca atgctgcttt gaatttgtcc tcacgtgacc accagatgaa cccactccc 240
 catgact 247

<210> 17572
 <211> 73
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959838H1

<400> 17572

cttcttttgt agtacctcat gagagtgggtg cctgtcattg gcatgctaca tgagaggaaa 60
 gtgttcaaac ctg 73

<210> 17573
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959839H1

<400> 17573

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 cgatgaccag aagggttttg gcttcataac caccgacgac agcggcgagg aattcttcgt 120
 ccaccagtcc tccatccgat ccgacggctt ccgcagcctc gccctcggcg agtccgtcga 180

gttccttatt gactccgac ccgaaggccg caccaaggcc gtcgacgtca ccggccctga 240
cgaatc 246

<210> 17574
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700959840H1

<400> 17574

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caccacctc gctctttcct ccccttcaga cctctcaaac cactcttcaa cccctctctt 120
ctcctccgcc ctccctccaa atctcgccac aaccctttcc taaccgcgc cgacgatgac 180
gacggcgacg gcggcggccc cgaccactac gagatggacg aggacgaaat ggaggagctc 240
gacaacaag 249

<210> 17575
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959841H1

<400> 17575

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accgaaggag ttttgactg caaggtgcac tttgagcagc ttttcaagga aactggaacc 120
taccccaaga aatcccagtc gtctggaaag cctccactcg agctgaatag agcaccaagc 180
aagctttctg ccttcttctc tgggactcaa gagaaatgtt caaatgcaa gaaaaccgta 240
tatccatt 248

<210> 17576
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700959843H1

<400> 17576

gaacagatga tcaatgtgca aaacaagaac tcctcatact ttgtcgagtg gatacctaac 60
aatgtgaagt ccagcgtgtg tgatatccca cctaagggtc ttaaaatggc atccactttt 120
attggtaact cgacctcaat ccaggagatg ttcaggagag tcagtgaagca gttcacggcc 180
atgttcaggc gcaaggcttt cttgcactgg tacaccgggg aaggaatgga cgaaatggaa 240
ttc 243

<210> 17577
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959846H1

<400> 17577

aaagagtact tggtcgaaa aattgacatg cagctcaagc ttgtgcctgg taactctgct 60
ggaacagtaa ctgcctatta tttatcttct ctggggccta ctcatgacga aatagacttt 120
gagtttttgg gtaacttgag tgggtgatect tacactctcc acacgaacgt attcccccaa 180
gggaaagggg acagagaaca acagttccat ctatggttcg accccaccaa ggacttccac 240
acatactc 248

<210> 17578
<211> 108
<212> DNA
<213> Glycine max

<223> Clone ID: 700959848H1

<400> 17578

taagattatt tggatgaagaa aaagatgcat aacactgcta aagcattcat gacagaaggg 60
aaggtttctc ctgatccagt agcaattgat actcctggag gttttctt 108

<210> 17579
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959849H1

<400> 17579

accaaaaatt gatgtagtag ggttttgctt tcttgatctt gcgttaaact atgaacctcc 60
 agagtcacctt gtaaaatggc ttgaagaagg agacaaacct atttacattg gatttggttag 120
 cctgcctggt caagaaccaa aaaagatgac acaataatt gtagatgctt tggagatcac 180
 tggacagagg ggcacatca ataaaggatg gggaggtctt gggaatttgg cagaaccaa 240
 ggactctata t 251

<210> 17580
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959850H1

<400> 17580

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 atgcaactgt tgcaacctca gctggggaga agcccgccg tgagcttata gctgatgatg 180
 cctggttgaa tggggaattc attactactg ttcaacaacg tggcgctgca attatcaaag 240
 ctagaaag 248

<210> 17581
 <211> 79
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959851H1

<400> 17581

cttcattcca ttctctcttt ctctttccat tgttctactt ttccagtccc accacgaatg 60
 gcactgcatg atctaccct 79

<210> 17582
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959853H1

<400> 17582

<213> Glycine max

<223> Clone ID: 700959858H1

<400> 17585

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 ctcaaaaagt ggtgctctgc gccatgacat ccattactgg cttggtaaag acaccagtca 120
 ggatgaagcg ggtgctgcag ctatcaagac agttgagctg gatgcagctc ttggaggacg 180
 tgctgttcag tatcgtgaag tacaaggcca tgaaactgaa aagtttctgt cttatttcaa 240
 ac 242

<210> 17586

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700959860H1

<400> 17586

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 ggactgttgt ttcttggtgt attaggtgct gcttgggcat gtgatgcaag ggaactggct 120
 aactctgaaa cttctgaact aagcataaaa ccggatgtgt gtgcactttg tgaggaatat 180
 attaccaagg cacttgatta tctacatgaa aacaagactt agacagagat cattagtatc 240
 ctg 243

<210> 17587

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959819H1

<400> 17587

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 agtccatag tgtcgccgcc ggacgagctc gtggccgccg gcagccgtac tccgtcgccg 120
 aagatgacgg cggcggcgct gcggaagcgg ttcgaggaga agaaccctc cgccgtgtcg 180
 gtggaggtcg gagagcatgt ccagctcgct tatacccacc acaacgagtc gccgtttcag 240

cccagatcct ttg

253

<210> 17588

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959785H1

<400> 17588

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aattgcaaaa gagaggaatt tctacacatg ttgaaactaa tatgctcttg gtgggggttg 120

ggggaggata tatgatctcc ttgaccttta aattattact ctctcctttt ctttttatct 180

ttgtctcact ggtttcattt tatcttattt caagattttt acgtaaaaat taaaaaaatg 240

ttataatttt t 251

<210> 17589

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959787H1

<400> 17589

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gatggacttg gctattatga gtttctccaa cttgctggagg acttgggtac tgcaccaata 120

tgggtattta ataatggtgt cagtcataat gatcaagttg atacatctgc ggtcttacct 180

cttgtgcaag aagcccttga tggacttgag ttctgcgagag gtgatcgac ttcaaaatgg 240

ggctccctta gagctgctat g 261

<210> 17590

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959788H1

<400> 17590

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gtgtatgcac aagacacaac aacccttgtg cctgcaatca taacttttgg tgattctgct 120
 gtggatgtag ggaacaatga ctatgcttcc cacccttttc aaggctgatt accctcctta 180
 tgggaggagac tttgttaacc accaacctac tgggaggttt tgcaatggca aattagctac 240
 tgatttcact gctgacacat tgg 263

<210> 17591
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959789H1

<400> 17591

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 gaagcctttt tcttccact tttctctttg gaattgggtc ttctgcttac caggcagaag 180
 gagcagcaag tgtagatggg agaggaccaa gcatatggga cacctacact agacagcata 240
 ctgaaaagat ttgggatca 259

<210> 17592
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959790H1

<400> 17592

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 aaccccgatt ccaacaaaat gaagggcaga aaacctgtag accgttcctc atgtggttcc 120
 aacacaacct ctagcagtga agagactgag ttactagaga aggatgagaa agaaaaggaa 180
 gagcccaaaa cacctgatgc gaacgtttta gataccgagc ttagtaatcg tcgaagtaga 240
 agcattagca accttac 257

<210> 17593
 <211> 255
 <212> DNA
 <213> Glycine max

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 gtgcaatttg ggaaatattt gttggatttc aaatttcttc ctttagaagg cttctaaaag 240
 tcaagactgg tgaggatgt 259

<210> 17599
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959801H1

<400> 17599

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 tcaaagcctc agcacaagcg cgacaagtgg gacgacaaat atccatatca agtcctggat 180
 ttatctatga accctatgaa cctcgtgaga aaatcccatt ttggaagaga tggttcacta 240
 gaagtgggtg gagaagaaca 260

<210> 17600
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959802H1

<400> 17600

gcgtacggac tctcggcttt cggctctaag ctgacaatgc tagtgcttgt cttgcttggt 60
 gctacagttc tggtagcata tgaatgccat ggctcagact ac 102

<210> 17601
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959803H1

<400> 17601

cactgggaga agttccctag cgctcctttc aagatggaga tctgcgtcaa gaccctcacc 60
 ggaaagacca tcac 74

<210> 17602
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959805H1

<400> 17602

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 ggattcaatt gtttcagggt cgtgctttcg cccctgctgt gctggattca attgtcacat 120
 ttggattcga ttgtttcaac ccctttcagg ttgacagaca catcatgtag atattttag 180
 ttctatgttc ctcatgtttt aaaatacacc agtgacaggt aaggaaccat gtttttagctt 240
 tatgtgtga 249

<210> 17603
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959806H1

<400> 17603

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 atcgccaaac aacctcaaaa atcattcatc aacgttact attaataccat ccatcattaa 120
 gtaagaaaat aagggttcgat ttttttatct ttgttttgc tctgatccat catggagggtg 180
 ccgagttcct gggatgcct tgcgaaacag gcaagaaaac ttgaagctca gttggatgag 240
 cagatgaatt ctt 253

<210> 17604
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959807H1

<400> 17604

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 agatttttgc ttctaagtgt gtgtatctac cgctcactta tagtttccat tataagtaat 120

tattttcttct ttttttttct tttctgtttt gctgttttct caatgaaatc ttcccctctt 180
 catgatctgt ctcagctata tattgatttt gctgtttgtt tgtttgtgat caaaattggg 240
 ttgattccat t 251

<210> 17605
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959808H1

<400> 17605

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 agcaatcaag gagggatata ttaacaatgc caatgggtgtg ttgcatatgt ctgcaatgtg 120
 gcttttccca caactttgct tgggtggaat agctgaagca ttcaatgcaa taggccaaaa 180
 tgagttctat tacacagagt ttcctaggac catgtccagt gttgctgctt ccctttctgg 240
 actgggaatg gct 253

<210> 17606
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959811H1

<400> 17606

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 attggtggtc acaacttgac agtagtggag gttgatgcag ttacacaaa accattcacc 120
 actcaaacca ttctaattgc acctggtcaa accacaaatg ttctagtcaa ggccaaccaa 180
 gtagcaggaa gatacttcat ggctacaagg acctttatgg atgcaccaat accagttgat 240
 agcaaag 247

<210> 17607
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959813H1

<400> 17607

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gaaaccacac ttatgttcca attactgaaa aaggttactg gcagattgaa atgggagatt 120
ttttcgttgg aggtgtttca acaggtgttt gtgaggggtg ctgtgctgct attgtggatt 180
caggaacatc tttgcttgct ggtccaactc ctgttgtggc tgaaatcaac catgccattg 240
gagctgaagg 250

<210> 17608

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959814H1

<400> 17608

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gtagcacca aatcttctct atccaccgag ccacctctca agcagcaaca accaaaaccc 120
gaaaatcccc ctcaagaata cgaagaagtc gaagaggaag ttgaggaaga agaggtagag 180
gaagaggtcg aagaggaaga agaagaagaa gaggaggacg aggaagaaga ggaggaggaa 240
gaagaagaag aagaa 255

<210> 17609

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959815H1

<400> 17609

gaaatatgta ccgagaagaa aacgattctg tcagttgaag acatcattgc tttgattggt 60
gataagtgtg atggagttat tggacagctg actgaagact ggggagaaca gttgttctct 120
actttgagca aagccggagc aaagctttca gtaacatggc tggttggttat aacaacgtgg 180
atgttgatgc tgcaaacaag tatggtgttg ctgttggaat tactcctgga gtgctcactg 240
agacaacagc tga 253

<210> 17610
 <211> 245
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959816H1

<400> 17610

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 ggtttaagga ggtgttgac atggcatggt agtactagta gaagcaacta ggaagcactg 120
 aagcagttga tgatggtaaa taaatgatta tgattattcc gtactctctc tctctatctc 180
 tctctgcata cttatgccgt gtctccact ccactctaca ctaattaagc gngctcacac 240
 tgcca 245

<210> 17611
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959817H1

<400> 17611

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 taaatcaatt gatccatcca attttgtgaa atctggtgaa aagacatttg agttgttgga 120
 ctctattgtg gaagagattg gggaggaaaa ggttgtccaa gttataacag gcaatggaag 180
 caactatgtt ttggcaggta aatttcttga acgaaaaagg tcacatttat attggattcc 240
 ttgtgcagcc cattgcat 258

<210> 17612
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959818H1

<400> 17612

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 agttcgtttg agagagaaaa aatggcagag ggtctcgttc tccgcggaac catgcgcgcc 120

cacaccgacg tegtgcggc gattgccact ccgacgaca actccgacat gatcgtgacg 180
 gcgtcgcgcg acaaatccat cattctctgg cacctcacca aggaggacaa gacctacggt 240
 gtcccccgcc gccgcctc 258

<210> 17613
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959784H1

<400> 17613

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 atcccttcat taccagaata tttggctgat tactgctctt tggcacgaag aaaatggcct 180
 gttgctgaat ggaagttcta tgttgccctt tctttcttcc gggcagcttc aatttatgca 240
 ggagtgtata atagatgggt taagggt 267

<210> 17614
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959757H1

<400> 17614

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 gacggaatgg taacgggggc gcatgaaagg aacgaacttg ttagagttag acacggttct 120
 gacagtggga tttgtcaa atgtggtgac accattggat taacggctac tgggtgacctc 180
 tttgttgctt gtcagtgtg tggcttccca ctttgcatt cttgttacga gtatgagctg 240
 aaaaatgtga gccaatcttg tccc 264

<210> 17615
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959758H1

<400> 17615

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 aagaaacaga agagagattc agttgaaaaa catgcggcgt gagattgcca agctgcttga 180
 gactggccaa gaagccacgg ctggaattag ggtagaacat attataagag aggagaacat 240
 gatggctgct caagaaatca tt 262

<210> 17616

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700959759H1

<400> 17616

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 ccatggctct ctcttcccca tccttggtg gcaaggccgt gaagctgggc ccatcagccc 120
 ccgaagtcgg gagggtcagc atgaggaaga ccgtcaccaa gcaggcctcc tccggaagcc 180
 catggtagcg cccagaccgc gtcaagtact tgggccatt ctctggcgag ccccgctcct 240
 acctcactgg cgagttccca gg 262

<210> 17617

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700959760H1

<400> 17617

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 aagggttggt ctagttaatg tatagtagca aagtgttaca attca 105

<210> 17618

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959761H1

<400> 17618
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aggaagagtt tcagttggca ttgttcaaga caaataaaaa agaaagtctg tttgctgac 180
gggtatttga tttatttgac acaaagcaca atgggatact aggttttgaa gagtttgctc 240
gtgctctctc cgtttttcat 260

<210> 17619
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959762H1

<400> 17619
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atctttcaca tcaactatct tgggtgctgat caaccacact tcacccttaa cttctccaaa 120
ggttctagcc aagtcattgc tcaatactac caactaattc gccttggttt tgagggatat 180
agaaacgtga tggaaaactg cagagacaac atgttggtgc tgaaagaagg actagagaaa 240
acagggagat tttcaattgt 260

<210> 17620
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959763H1

<400> 17620
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gaaaggatgt ggtgtactat ctgaagcatt cattaattgt ccactcttag catctctcga 120
tgcttccttt tgcagccaac taacggatgg ctgcttgtct gcaacaactg tctcatgccc 180
actgattgaa tcattgatat taatgtcatg ctcatcaatt gggttcagagg gtcttcgac 240
tctgtattgt cttccaaatt tg 262

<210> 17621

<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959764H1

<400> 17621

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cttccagtgg cggcgacggt gaactgcgcc gacaacacgg gggcgaagaa cctctacatc 120
atttcggtga aagggatcaa aggccgttta gaaccgtctt ccctcggcct gcgttggcga 180
catggtgatg gccaccgtga agaagggaaa acccgatctg aggaagaagg tcttgccagc 240
tgtcatcggt cgccagcgca 260

<210> 17622
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700959765H1

<400> 17622

gtcgccacct tcaaagcccg caagaacgac ttgcccctca agacgaaaat caccgtgtgc 60
gaggtgctg aggaggctgg cttcctcgac ggtgacgtgt tgattttccc cgacatgatc 120
aaatacaggg gtttgaggga atcaaatgtt gatagctttt tcgaagatgt tttggtgaat 180
ggtaaaccat ggactgctgg agttccggag gtgtttcgtg gttcacatgt ttatgtgtgt 240
gctcatggaa gtcgtgacgt gagatgtggt gtttgtgg 278

<210> 17623
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 700959767H1

<400> 17623

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tggaatgca ttttctgctt gtttggataa tggaggggtc aaatgccagt gtcccacagg 120
gtttagaggt gatggtgtaa aaaattgtca agatatagat gaatgcaaag agaagaaggc 180

attgcatacc cttttgagtt ttgattctct ctctcgcac aactaggtga aatcgaatat 60
 ttttggggtg tgtcaaagtt tgtgaaggaa cttgaagaag taaatgcatg gatcgagggg 120
 accaaatgac attacctggc tctgcatctt gactatatgc agagaggaat acctggtgct 180
 ggaaaccaac ctgtactgca caattcacct aatattggac cattgtctaa ccctaatacta 240
 ccatgtcaat caagcattgg ggggtggt 267

<210> 17627
 <211> 96
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959772H1

<400> 17627

gctattcaat cccaaagcca cagaaatgat attattcaga ttttagagac tgaaaacatc 60
 atggccaacc tcgacctcga cccattccag acaagc 96

<210> 17628
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959773H1

<400> 17628

acttgctgga gcaggataac ccaaaccgga acagaagcaa aagcagaaac gaagatgggt 60
 ggttcggtt tcactcactt cctcggttct cctcctctt ctactccttc tctttccact 120
 ctcttcccat ccaaattccc caccagaccc atcaatgaat cttttccctt cacccttacc 180
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 agttactcat gctctgt 257

<210> 17629
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959774H1

<400> 17629

ccctaaacga ctctatctct cttcgttttg ttcttccctg cgctcctcct cgttcgttcg 60
 ttctccctcg cgtagatcgg caatggcgga gaccgagacg tttgctttcc aggctgagat 120
 caaccagctc ctcaagtctca tcatcaaacac cttctactcc aacaaggaaa tcttccttcg 180
 tgaactcatc agcaacgcct ctgatgcttt ggacaagatt agatttgaga gtttgacgga 240
 caagagcaag ctcgatgctc a 261

<210> 17630
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959775H1

<400> 17630

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 aagctgatgg ccttccttct tggatgaacc atgaggaccg aagggtattg aaggctatgg 120
 ataacaaacc tgcacctaat cgtcaccgtg gctaaagatg gcacgcggaga cttcaaaacc 180
 atctctgaat gtttaaagtc tgtccctcaa aattttgaag gacgttatgt gatttttggt 240
 aaagaaggag tatacgatg 259

<210> 17631
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959776H1

<400> 17631

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 ggcatatagc agttcaaagg gttcaatccg tcttgttgac ttgcggcaat cagcattatg 120
 tgattctcat gccaaactat ttgaggaaca ggaagctcca ggggccagat catttttcac 180
 ggagattatt gcttctatct cggacataaa atttggggaag gatggttagat acataacttag 240
 tcgtgattac atgacttt 258

<210> 17632
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 700959777H1

<400> 17632

attatagcac accacacaaa aaagcaaaca agagagaaca actgttactc acacacgcca 60
tgggtaaattg aatgggttttt gagcaacagc agttaaaaga gaaaagggat tcagcgaaga 120
tgacatcggt tgggtgtggca ccaacttcgg gtttgagaga agccagtggg catggagcag 180
cagctgcgga tagattgccca gaggagatga acgatatgaa aattagggat gatagagaaa 240
tggaagccac agttggt 257

<210> 17633

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959778H1

<400> 17633

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ctctgaatgt caaagtgaag aaattcaacc aagcgcgggt aaacggcggg agtaactatg 120
actctcttaa ggtagccaaa tgcctcgtcg tctaattagt gacgcgcgatg aatggattaa 180
cgagattccc actgtccctg tctactatcc agcgaaacca cagccaaggg aacgggcttg 240
gcggaatcag cggg 254

<210> 17634

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959779H1

<400> 17634

aaaatgccca ctttttttct tccaacgctc ctctctcttc tcatagcctt cgccacctct 60
gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120
gacgacaact tcaagggcac ccggtggggc cgctctcttc gccggttcca atggttactg 180
gaattacaga catcaggctg atgtttgaca cgctatcaa atattgagga aaggtggtct 240

gaaagaagaa aatattattg

260

<210> 17635

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959780H1

<400> 17635

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gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180

acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240

tacatcaccg tcttaaccgt t 261

<210> 17636

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700959781H1

<400> 17636

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gaaatagagt ttgagttttt gggtaacttg agtggtgatc cttacactct ccacacgaac 120

gtattcatcc aagggaagga gaacagagaa caacagttcc atctatgggt cgaccccacc 180

aaggacttcc acacatactc cgtccactgg aatcctgcaa gcatcatatt ctctgtggac 240

gggacccac taaggaggtt caagaatttg gag 273

<210> 17637

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700959783H1

<400> 17637

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gacgatgggg tccatccccg atccaggcga gttgagcgag ttgactcagc cgagcttcga 120
 cgagttccag cgccaaactt ccctcatgac cagctgcacc ctctcttgga aggagctctc 180
 cgaccacttc tcttccctcg agcaagacct caaccacaaa tccgaagacc tcaaacgcaa 240
 gattcgcacc ctgcacaaca ctacttccga 270

<210> 17638
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959756H1
 <400> 17638

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 actcaacaag taaatgatta gactaaatgt ctactgttcg ctaattccaa gtgcaagaca 120
 agccagacct ggcagcagct atggctcctt gatgcatcca taatcacaaa gcttcaaaat 180
 tttctcatcg gatttccatc aaggctaagg ccataaaaga tgagatggac ggagaaacaa 240
 gcggatcttc aggacgtagc tgggatcctg 270

<210> 17639
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959726H1
 <400> 17639

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 agtgctaaca tggagagaat catgcagtct caaactttgt ctgatgctag caagcaagca 120
 tacatgcgcg gcaagagggt tcttgagggtc aatcctaggc accctattat caaggagctc 180
 cgagagagag tagtaaagaa ccctgaggat gaggggtgtga aacatacagc acagttgatg 240
 taccagaccg cactcttcga aagtggc 267

<210> 17640
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959727H1

<400> 17640

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ccgtttctct ctccaacggt aactgcattg cccctttctc tctctagagt tctttcctat 120
ttcaatctgt tgcatttggt ttcatgttca ttttttctg tgtgattctg ttgcattgca 180
cgtggtcattg ctaaaaatct gtttttgatt ggaattctga gggccccaga agctcatttg 240
atctgggttt ctcttggttt tgtgt 265

<210> 17641

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700959728H1

<400> 17641

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tcttcacta tgcattgcgc atctctgcgc ttttgggttc ccttggtgct gcttgctagc 120
ttcagctatg ctcttctgt ttcggccaca actgaaattt cagggaatga agtgaacaca 180
gatgggaagg tgataaatga agagtttagc aaaccaagtc taaaaggaca tgatgaagaa 240
gcaaagttca aaggattttt tcca 264

<210> 17642

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700959729H1

<400> 17642

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gcgaagaaga tgaggcataa cagaccatc ccttattgga tccgcatgag aaccgacaac 120
actatcaggt acaatgctaa gcgcaggcac tgggcgcgc accaagctcg gattttaagg 180
tccatgtcaa cctccgactc gagattttta tattgttttt gttattctag aatgttacta 240
gcaatgtgta aactggaaag gtttt 265

<210> 17643
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700959730H1

<400> 17643

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ttgtgccaat tgccatagtc accaaccaat taacaaaggt atatatatca tcatatcatc 120
accaaatagaa aaatattggg ttgttttttc ttggtggtgg tggctacttt tgtggtggca 180
gccacagctg gtagctttta ccaagacttt gaaataacgt ggggtggtga gcgtgccaaa 240
atctatgaga atggaaacct tctcac 266

<210> 17644
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700959732H1

<400> 17644

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ggcctacttt catttgcacc aatcggtgaa atggccatga caatagttga gcagactgga 120
ggccagtacc atgttttggg gatagttgag gacggccagg taacaagaag tattgacact 180
gagcatggga gactaagtcc acaggagcag agcactgtgg atgccattgt tgaggccagt 240
aaatttcctc tttcaatcat attggttg 268

<210> 17645
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 700959734H1

<400> 17645

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ccgtcgtcga ccttccaaat ggcttgattt aatgtctctg aacagcaaac acatgaacct 120

tcttcgaccg tcatcgccac caccaacaga ttccgtctac ataagaattt ttttaataac 180
 tgcaacggtg cctctgttcc acggaagcta cggtccgtga cgaaaaaacg gggtcgcgaa 240
 tccatgttac ttgattcaga aaagttgaag catacgat 278

<210> 17646
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959735H1

<400> 17646

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 tcataacatc aaattcgtat gtgcttttgc ttaccctaaa atctccatcc ctacaaaaag 120
 aagaagaaaa acaagaagaa gtttaacatg tcagctgccg tggccgcttc cgctgccgcc 180
 gctaccatgt cgggttacca ccacaactcc tcctcgagac aacaacaaca catagaccat 240
 gaattggcct taacaccaca acgagtgtgt gtctctccac 280

<210> 17647
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959736H1

<400> 17647

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 gcgaagaaga tgaggcagaa cagacccatc ccttattgga tccgcatgag aaccgacaac 120
 actatcaggt acaatgctaa gcgcaggcac tggcgccgca ccaagctcgg attttaaggt 180
 ccatgtcaac ctccgactcg agatttttat attgtttttg ttattctaga atgttactag 240
 caatgtgtaa actggaaagg ttttagcttt tggtcac 277

<210> 17648
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959737H1

002220 "E" 11650

<400> 17648

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ggaaatatga ctgaagatga ctggaggtgg cacatgtatg aactgtcaa gggaagtgat 180
tggctaggag accaggatgc catccaccta atgtgtaggg aagcaccaaa agcagtcatt 240
gagctagaga attacggatt accattttcc cgaac 275

<210> 17649

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700959738H1

<400> 17649

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gaacatgaga cttggatttg cttcttgagg attcattcta tgcaccctag ttgtcttttt 120
gattctacaa gacagtgtag ctgaaagat agctacaaca tctgggaatg aagttcaact 180
gaaggcagta tcctatgatt tgcaaaagct tgcaacagag ggtcttgtag ttgacagtat 240
tattcagctt gaaggcgctg atataaaaag g 271

<210> 17650

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700959739H1

<400> 17650

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ttgaattttc aaaaatcaag gaagtttgaa gagagagaaa ttctggtggc atagtaaaga 120
agcactaact tacattgctc atgcatactt tgattaagtc cctgtgcaag acctgtcttg 180
gaatatcttg ttcaactggcc tacattggct catgttgagt gtcatttggt tttattatta 240
tacatctttg tggccccctc tcttct 266

<210> 17651

[illegible]

<400> 17651

<210>	17652
<211>	273
<212>	DNA
<213>	Glycine max

<400>	17652
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<210>	17653
<211>	262
<212>	DNA
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<400>	17653
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7685

cagctggtag cttttaccaa gactttgaaa taacgtgggg tggtgagcgt gccaaaatct 240
atgagaatgg aaaccttctc ac 262

<210> 17654
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700959744H1

<400> 17654

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gtgagttacc caagagaaag gatgaagagg gaacgcgagc agcttggttc catcgcaggg 120
acctcaagct gcggttattc aagcggaaaa tcgaatcttt gggaggatag aaggaggcat 180
ggacgagctt cttgcggtgg tgggttaciaa ggtaggtca tcggacatgg cggaagtggc 240
gcagaagctt gagggtctcg a 261

<210> 17655
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 700959748H1

<400> 17655

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aagagagggt tcaagaagtc aatgatctta tttttgaagc cattggctgt ggtgaattgg 120
aggatgtcaa cgttgaaagt gtcaaagaag ttgatgcagt cagcacaagc gaacacccta 180
ctgtgggtgt agctggttca caagaatgtg tgattctaca ctaacaaggc tctaaaatta 240
tgaacaaatt cagcaaatcc gtagtg 266

<210> 17656
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700959749H1

<400> 17656

002201032200

gagaatggat gaagtctgct atgtgtgcag tgggtggtgt agcacttctt cttctggcgg 60
 aggtggggcc catggctgag gctgtgacat gcacccaac agagttgagt cctgtgtcttc 120
 cagcaatcac ttccggtgct aaaccttcca atgcttgta gcacgaagct gaagcagcaa 180
 aaaccatgct tatgtggcta cctcaaaaac gctagcttca agcagtatgt taactctcct 240
 aatgcccga aaaccgttgc ttcttgtggg 270

<210> 17657
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959750H1

<400> 17657

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 cattgcgaac gcttctctc ctcttctctc ctctccaggt cctccttcg ccccgccgct 120
 tccgcttccc accgctcttt caacaccaac gccatggggc agtatgacaa ccgcgccgac 180
 gaccacagca ccgacatcga tcgtcactcc gaacgctctt tccctagcac tgcgcgccgc 240
 gacgatatct tctcagatgt gttggatcca ttttttccg 279

<210> 17658
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959751H1

<400> 17658

cgcatccctc cccaacccaa aacggaacca ggtgattttg atgacaagtc agatcctcct 60
 ttatccgcac aaaatgacat acaagaatct gatatagagt tggataatgc tgatgttggt 120
 gaacctgata atgacctcc tcaaaagatg ggagatcctt ctgctgaaat aacggaagaa 180
 caaagggatg ctgcacaact agcaaatca aaagcagtcg atgctatgtc acaaggtaat 240
 ttggatgaag cactggccca actgacagaa gcc 273

<210> 17659
 <211> 275
 <212> DNA

003250-03250

taaacccgac tccaagatca gaaccactga attcacggtc caagggtggtg gaaataatgg 180
aaatactatg acatgtgctg cccgtttggg cttaaagcca a 221

<210> 17665
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700959690H1

<400> 17665

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gtgtgtgcgt ggattggtga atttgagatt gaagaagatg atgcaggctg gacccggcgg 120
catggcccaa caagcgaacc agctatacgc acagcaacag caacaacagc aacaacaggc 180
ctacatgatg atgccgccgc agcctcagcc ccctcagatg tg 222

<210> 17666
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700959691H1

<400> 17666

ttcactttca atctctttcc cttcctttcc ttgtcttttt atttttttac atcaaaatta 60
aaataataac acccatcaaa caaaccacac ttctccccct cactttgaaa acacctcaat 120
caatctcgat gatcatggca gcactcaatt caagcacttg tgccaaacct caattccctc 180
accctctctc ctctcttttc tcttcttctt catcattaac aag 223

<210> 17667
<211> 223
<212> DNA
<213> Glycine max

<223> Clone ID: 700959694H1

<400> 17667

gcttaggggc taatgggtaa ctgcctagat tcttcagcca aagtagaagc tgctcacagt 60
tccagaaccc cttctggaat ttcaaaaact agtccttcac ctgttccttc caacttatct 120

attctgtcat atagtgaagc aagtgatttc tcaaattctc caacaccaag gtctgagggc 180
gaaatcttgt cttccccaaa tcttaaggcc tttaccttca atg 223

<210> 17668
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 700959695H1

<400> 17668

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accttcgata cccatttcgc cccatccccg aaagtcaacg tatttgcgaa cttccccggcg 120
aggaggcacg tgggggttcg agtttcgaac gcgctgatcg aaccagacgg aggggaagctg 180
gtggagcttg tggtgaggga taattcagaa agagacttga agaag 225

<210> 17669
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 700959701H1

<400> 17669

aagaagaagg gtgagctaaa gtcaattttc cttcctttcc tttccactag tcacataatc 60
ccgctagtgg acatggccag actcttcgcc ttgcacgacg tcgacgtcac catcatcacc 120
accgcacata acgccaccgt tttccaaaag tccatcgatt tagatgcgag tcgcgggtcgc 180
cccatcagaa cgcacgttgt caacttcccc gccgcacaag tgggtctccc cgttgggatac 240
gaagccttca acgtcgatac gcctcgggaa atgaccccca gaatctaca 289

<210> 17670
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 700959703H1

<400> 17670

ctatgcaata ccataacctt atctatcgca accacctccc aaatcactct catccaactt 60

<223> Clone ID: 700959706H1

<400> 17673

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agcaattctt ctcatcgtag gggaaaacat gaagttctgc aaaaagtatc aggaatacat 120
gcaaggccag gagaagaaac ttccatgtgt aggattcaag aagctcaaga agattctgaa 180
gaagtgcagg agaaactctt catccctgaa accccttaat gcatcccttg ccgccaaaaac 240
ctgccccgac cattgcccag gtaatcaaaa tg 272

<210> 17674

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959707H1

<400> 17674

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gcctatcagt tgaagattag aagtccatgc taacccttc ctttaaaatc ttctaccctt 120
taccatttt ctactacccc atctctctcc ctttcccatc tacttctaaa cttcatcaa 180
acataactct cttcctagag ggacatanat atttttgtag cataggactt atttgattct 240
cgtaattca caccacaag 259

<210> 17675

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700959709H1

<400> 17675

ctaatttcta tcttcttctc ttcgcgtacg cgtcgtcccc cgcaacgacg tcgtttcatg 60
gtcgcgttgt tggtgtgctg gttctctatg cgaaaatctt ctgagggtt ctcggcgatg 120
agtggagtaa ttcattctct ggtgtttgat tccgcatttc cattttttaa tttctctgtc 180
tcccatgtaa gaaatgtttg attggaacga cgaagagctt gctaacatag tatgggggtga 240
gggtgggtgag ggtgatgatc atattgtgcc tt 272

<210> 17676
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959711H1

<400> 17676

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 gtcgagtcct ccgacacaat cgataacgtg aaagctaaaa tccaagacaa ggaaggcatt 120
 ccaccggatc agcagcgttt gatcttcgcc ggtaaacaac tcgaagacgg cagaactctc 180
 gccgattaca atatccagaa agaatcgacg ctccacctcg tcctccgcct tcgcggtggc 240
 atgcaaattc tcgtcaaaac cctaaccggt a 271

<210> 17677
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959712H1

<400> 17677

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 catattttact gatattggcg catttctttg agaaagttac taattcctag atagaggcaa 120
 aaatgttggg aattttcaag gagaagttgg ttaaagcacc caaagagctg aacagtccag 180
 cttcgttgaa ttcatgcact aagcctaagc taagtacga aatccttcag gatttcatgt 240
 cctgcaattc ctccaatgct ttctca 266

<210> 17678
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959713H1

<400> 17678

gagaaagaga gagagagaga gagaaactga gagaaattcg caaacccctaa ttctcgaaag 60
 atcggcgatg gctgcctcca aggatcgga gaacttcgtc tacatcgcca agctcgccga 120

0954113.03200

acaggccgag cgatacgaag agatgggtgga atcaatgaag aacgttgcca atctcgacgt 180
tgaactgact gtggaggagc ggaatttact ttctgttggg tacaagaatg tgattggtgc 240
tcggagagca tcgtggagga tcctg 265

<210> 17679
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959714H1

<400> 17679

gccacgacac acaacacaaa acatcaagca ttggtattcg ttgagttgga gaagcaaaca 60
tattgcgatc ttaaagttct gaataacaca gagaactacg ttgcctttaa ggtcaaaacc 120
acttcaccaa agaagtactt tgtacgacct aataccggtg ttgtacatcc atgggacct 180
tgtatcatca gagtcaccct ccagggtcaa caagaatacc ctccagacat gcaatgcac 240
gacaagtttc tcttgcagag tac 263

<210> 17680
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700959715H1

<400> 17680

ctcgagaaaa atcacgagcc aactcctgag gaggttgcca gaatacatag ccaatttggt 60
gaagcacttc aagatctatt tgaacgacac aaagctcgag ctggatatcc aaaccttgag 120
ttgagaattg tttgatatgg tcgtaacttc gacctatagt ttcatggggg taattacact 180
tttcttctct taggttaggc tttatttggg agttttgaag atggagtgga gtgattggtt 240
catgattaat tggatttgaa tgggggtga 268

<210> 17681
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700959716H1

<400> 17681
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 tataaggagc cttaaagattt gtagtgaagt tttgttcgtt gctaaatagt aagttgtcca 120
 aacacaaggg aaggacatac cttttcaata tggtaatata ttctattgtc tttcactccc 180
 atatgagcga tcagccaaaa gtaaaggaac tccttgtata taatatggtg atgtcttggt 240
 gagttattac tgagagatat tttcaatgtg 270

<210> 17682
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959718H1

<400> 17682
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 gggatatacg tgcctgttat attgaagtat cagcgtcata cccactgata ccgtaatgct 120
 aacgatatgc ctagatatgc attcaaggag tatectccaa tttgttactt atcttaaaat 180
 tttattaact gatacatctg gaatacaact gccttccaaa aaagagcaac ccacttgga 240
 at 242

<210> 17683
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959720H1

<400> 17683
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 ctcaagggag gcttgagtca ttgctgaatt accaaaccat gatcaccgac ctcaaccggt 120
 tgcctatgtc gaatgcttca ttgcttgatg aggggtactgc tgctgctgaa gcaatgtcta 180
 tgtgtaataa tattcagaaa gggaagaaga agaccttcct tattgcaagt aactgccacc 240
 ctcaagacaat tgatatttgc aagacaagag ctgatgg 277

<210> 17684
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959721H1

<400> 17684

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 gtagccgccg ccgaacggat ctacgatgaa gacgacctc tgatccgtca agtggtgccg 120
 gatgctggagg accaccacct gctcaacgag gagcaccact tctccgcctt caagacaaag 180
 ttcggcaaga cctacgccac gcaggaggag cagcaccacc gcttccgtat cttcaagaac 240
 aacttgctcc gcgccaagtc acaccagaaa ttggat 276

<210> 17685
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959722H1

<400> 17685

ctggatgaat gcttgtttca ctgatggtat ccatttagca gctgaggga gcaaaattgt 60
 ggttaaggag atattgagag tgcttaagga agcagaatgg gagccatgcc tccactggaa 120
 atccatgcct actgaatttg cagaagactc accatattgat cttgttgctg ctgatgggaa 180
 aactacactg aatccttctg agtggacttt ttacagagag attcagtggg attaggttgt 240
 taggttatca actttaatca taatcatttg ctctg 275

<210> 17686
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959724H1

<400> 17686

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 tgatagtccct aacacaacac cacccttctt catcttctta tgtttttgac ttgtggccac 120
 cactgtgacc catttctgta tcttctggca aggttctatc cgtttcttct tttggatcac 180

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ccttttcact gttcgactcc ttcttgctat ctgcttcgtc aatctgatta ttcattgggtg 240
aaaagctaatt ttgttcactt gaataggtgt ac 272

<210> 17687
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: 700959684H1

<400> 17687

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tgatacatgg cggagatcac gaacacgagg aagtgaaggg tgagtccttg ttggagaaga 120
tttctgggaa gatccacgac cagattcct cgtcttcgtc ggattccgac aacgacaaaa 180
ccagcgccac tgattccttc aagtctaattg ttttcaggct tt 222

<210> 17688
<211> 230
<212> DNA
<213> Glycine max

<223> Clone ID: 700959641H1

<400> 17688

ctcactctgt gactgtcgct ggcagctcag gtgttccttg tatagatctg tggtttggtt 60
ttcggggaggg aacaaaaaaaa aaaggaaaag atgaatagct acagctacta tgggtaccaa 120
gagaagaaca ccttgacaag ctgtgaggag acgaggatgg aatcagtgat ttgccccaaa 180
cctcgccgat tgggtctcat aaaccactct tccatcaaca cagaagtcgg 230

<210> 17689
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700959642H1

<400> 17689

aacaccatct atctaaggca gtcaagagcc atgaaccctt ttcaaggagt tatgtatgat 60
tatatccggt tagaacgacc tccattaaca cagatttgat tgtgtccaac ttctagttga 120

cgctccactc tccaagaggt tagatggcaa agtagcactc ataaccggcg gagccagtgg 180
catcgggtgaa gccaccgcca agcttttctc tcgccacggt gccaaggtc 229

<210> 17693
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700959647H1

<400> 17693

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tctttatggt ggggagatct aaaattagct cttcaccatc cccaacatga gattgttaca 120
ggaggggttaa cgtggaaggt ggggaatgga gccaaaatca agttttggga ggatgtttgg 180
agctatggag acacaccgct tctggcaaaa taccacagat tgta 224

<210> 17694
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700959649H1

<400> 17694

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caatgttccg tttctctctc caacgggaag aacttttttt ttgtgtgtgt ttttgggtgg 120
gagtttgtaa gaagcaatgg cacgcaagaa gatcagagag tatgactcca agagattgtt 180
gaaggagcac tttaagagac tctctggcca ggacttgccc atcaagtccg cacaagtt 238

<210> 17695
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700959650H1

<400> 17695

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tcgggtagaa agtagtgcct gccctataat ggcatctgag gagtattcta agcaaaatga 120

ttggcaggag tgggctgaga ggctaatacag tgatgatgac actttgacta ctaattggaa 180
 tgaccttctt gctgacaaca ttcaagatct tgagccaaag attccaggac at 232

<210> 17696
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959651H1

<400> 17696

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 ttaaaatatt ttctgtcttt atgcttcatt tttttaaagt tatactaact aactcatctt 120
 tgtctatcat attaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg gcccccgtaa 180
 agggggccgt tgaaccgggg atttatttcg ggccgggcac tgggggggga ac 232

<210> 17697
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959652H1

<400> 17697

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 caccaccatt tcccatggcc tctgtttgga cactgcactt tcgctcgctt tctcttcgtc 120
 catgcctcta cattagtcgc agtaacagta gcactgccac tagaaattgc attagcatca 180
 gaaatggaat ctccaattgg cgctctggca cccaacaact caaacacgat 230

<210> 17698
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959653H1

<400> 17698

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 tactcaccaa ggatagtgat tttgatgtag agcaatcgtg gccagtggta gcccgcgtcg 120

ccctattttt cagcgggtcg acgcccagca gagctgctaa ccctttgatt caggatgctc 180
gatttaggga tgcgaatttt tgcccgtct caccaccgtc gtaggtggtg 230

<210> 17699
<211> 226
<212> DNA
<213> Glycine max

<223> Clone ID: 700959654H1

<400> 17699

ggaagttacc actgccagag tctgatgaag aactttatga ggtctatgaa gatgctacat 60
tggaagaagat tgcacacacc aaccaaata ggtttctaga tagagcaagc attcatcagg 120
aaaacatcga gtcacagcaa tggaaagttt gcacagtgac acaagttgaa gaagtgaaga 180
tcctaaccag aatgttacct atactagcca gtaccattat aatgaa 226

<210> 17700
<211> 228
<212> DNA
<213> Glycine max

<223> Clone ID: 700959656H1

<400> 17700

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agcagattct atcttaagtt atgggtgaatt gggagacatg gaagaaaatg aatggcagat 120
ggtgcaaacy aaaggaaacc aatttgtggt gaacgaccaa cttttctatg ttaatggatt 180
caacacatac tggttgatgg tatttgetgc ggatgagtcc acaagagg 228

<210> 17701
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700959658H1

<400> 17701

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tgaaggctca agaattgaat gggcacatca ttgacgttgt gaagatagga acaatggaac 120

cgaatcacgg tgggtgctgtt ggcaaagttt gatatgattt cgtcattgag attatatgaa 180
tgtggagaaa caagggatca atgacaag 208

<210> 17702
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959660H1

<400> 17702

caaaacagtg aaagagagaa aacaaaaaca ctgcacaaaa caatggctcg gaatttgatt 60
catcgaccat ccactaaacc 80

<210> 17703
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700959665H1

<400> 17703

ggtgctgggt gtaatttcca ttactcccaa ggcccaagca gcagtgcacat gcaaccaggt 60
ggtgagcaac ctacccccat gcatttctta tgtgctcaat ggtggcaaaa ccgtgcctgg 120
cccttgctgc aatgggatca agaccctctt taacctcgct cactccacac cagaccgcca 180
aaccgtttgc aagtgcataa agaacgctgt tagtgcgttc cattatggca agtca 235

<210> 17704
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700959666H1

<400> 17704

caagcatggc aacgacccca agcaccacac agaatggtac agagttatta ggaaaggagt 60
ctgatggaaa agatcggggt tctgccaaaa gttcgaaggg tgtgtctaca aacagtgggt 120
ccaaagcagg agacaatgga aaggcaggct caggttctgg aaatgatggg gtctcacaaa 180
gctacaaaca agaaaggag ttttaaccaa atgcttggtg atggagccaa tg 232

SECRET

<400>	17705
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<210>	17706
<211>	226
<212>	DNA
<213>	Glycine max

<400>	17706
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<210>	17707
<211>	220
<212>	DNA
<213>	Glycine max

<400> 17707

7704

<210> 17708
 <211> 225
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959672H1

<400> 17708

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 tcaacattcc aatccaatcc aaaacgtgc gttttatttt gtattcaatt ctatcaatcc 120
 caaaattcct cgccggagat agagaatctt aacaattcca ccactttccg gcgagacatg 180
 gccgtcgccg tctccgtccc cgtccgccag aagccgagct ccgac 225

<210> 17709
 <211> 226
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959673H1

<400> 17709

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 cccggtggcc atcgtccctt aaaccaccca cacttcaaag tcatgggtat tccatgggac 120
 gacgtcgttg tgatacagca agggaaggat cacaatgagc cctgcatcgt caccgtcaat 180
 tgccccgaca aggctggtct cggctgtgat ctttcagaa tcatcc 226

<210> 17710
 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959674H1

<400> 17710

ctcgagccgc tcgagccgat tcggctcgag agccataata gcattgggtt ctatctctag 60
 gctctgtcct accacaaaaa 80

<210> 17711
 <211> 223

<212> DNA
<213> Glycine max

<223> Clone ID: 700959676H1

<400> 17711

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tacaattgtg agaacacagt ttcctttggt acgttaaaca aggttggtgg atttcttcag 120
aggatggatc tggctcgcaa gtatgcattt ggaaagatgc tggtgattgg atcacaggca 180
ccatttaagg tgaaggggtt gtggcttttc cgtggacaag aga 223

<210> 17712
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 700959677H1

<400> 17712

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gatgttagct atggagggta ataagaagac taagcaatat ggtcttgact ctgccacttc 180
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<210> 17713
<211> 224
<212> DNA
<213> Glycine max

<223> Clone ID: 700959678H1

<400> 17713

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gcttagaatg gcacacaagg aattttccat tgccctagtg actctcattg ttctctttgt 120
caacacgaac ctccaagggt ccacggctga ctatgggtgg ggttggcaga gtgctcatgc 180
cactttctat ggtgggggtg atgcttctgg cacaatgggt ggag 224

<210> 17714
<211> 226

<212> DNA
<213> Glycine max

<223> Clone ID: 700959679H1

<400> 17714

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cagacagctg catcaacttc atctttgtca tcaggaagtg gattatctct ttttagcaca 180
ccatcttctg ctccatcatc ttctatgttg tcattctctg ttgcaa 226

<210> 17715
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959640H1

<400> 17715

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gattccggcc actcctctcg ccggcgagcc cttactcttc cctcctccgt cgagccctct 120
ccgattcgaa tcgttcccag cctcgcacca ccatgaatcc cgaatacgat tatttggtca 180
agcttttgct gattggagat tctgggtgtag gcaagtcatt tcttctct 229

<210> 17716
<211> 185
<212> DNA
<213> Glycine max

<223> Clone ID: 700959682H1

<400> 17716

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gaagattcgg gtactttatg agatgtagtg actgtgcctg ttgagcaaac taatgtggaa 120
gattcaccag gaagaattcc tgatgctgaa aatgaagcag agttgtcatt tgctgttgta 180
aatga 185

<210> 17717
<211> 220

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959603H1

<400> 17717

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 atccatgggc ctgatttttt tcttcctctt gttttcagct tctatatgca aaaggggggtg 180
 ggaccaatgc ctgcaaatat tgataatgta gttactcact 220

<210> 17718
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959605H1

<400> 17718

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 cttccgccgg cgtttcaggc tccccgtgtc ggaggccccg ccggagataa ggaccctttt 120
 cgaccgttac tccgatcaga atggcgatcat gacagccact cacctccgaa gtttcctggc 180
 tgaggtgcag agggaagaca atgccactga ggaggaagca caaacatca tcgatgg 237

<210> 17719
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959606H1

<400> 17719

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 gtctgtcaag ataagcaggg ttttgtacaa attgaattct gggcctgata aagagacaaa 120
 atatgtcata ttgggagaga aggctaaagc tcaattgttg cgtgactcaa ggaaacaat 180
 tgtgctcagc cttactgaat tgcagaaaaa tcccctgaat tacactcagg tgtct 235

<210> 17720
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<212> DNA
 <213> Glycine max

<223> Clone ID: 700959607H1

<400> 17720

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 acctcgacgg tacgtcctc atctcccgta gtcgttccc gtacttcattg ctcgtcgccg 180
 tcgaagccgg cagcctcctc cgcggcctca tctcctcct ctcccttcgg ttcgtc 236

<210> 17721

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700959608H1

<400> 17721

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 ccgccgtgc ccgccggcag cctcctccag aggtccggg aatggacat tgcgcggagc 180
 ggatccggct agacggtctc gctccgccg agactgaaca aacggtggcg ccg 233

<210> 17722

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700959609H1

<400> 17722

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 acgattgctg cgccacgcaa ctcatcgacg gcgacggcga gttcaacgtc gccggcctcg 120
 acaactttat cagaaccgtc aatctcgctt cctgcggcct ctctatgcc gtcgtcgcaa 180
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<210> 17723

<211> 230

095413.03200

<212> DNA
<213> Glycine max

<223> Clone ID: 700959611H1

<400> 17723

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tcaatatttt ggttgggttg aatcccgggg ttgaagcgtt gcagacatca cggctattct 120
aagagtgtct cgctccctca ttcatgtccg atctgtacga cggaggacgg gtagttgcgt 180
aactgccgtt aacccttcgc cgcacgggtgg gcgtggtgct ttgccttctg 230

<210> 17724
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 700959612H1

<400> 17724

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gacgacgcgc tcgaatccgc catcaaaact taccagaaga acttcaacct gaacgtcact 120
ggcgtcctcg acgacgccac cgtgcagcag atcgtgctgc ctcggtgcgg cgtcgcgata 180
taatcaacgg cacaaccacg atgaacgccg ccaaggagaa cgagacggcg t 231

<210> 17725
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 700959613H1

<400> 17725

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tcacggaatc tctctgaatc gcgggattaa gagaggaata tgcaacagag gctaaagttg 120
cagcaacaac aggccctcat gcagcaagct ttgcttcaac agcagcagat gtaccaccct 180
ggcatgctcg ccgctgctat gtctcagatg gagcctgttc caagtggaaa tgt 233

<210> 17726
<211> 232

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959615H1
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 caccctgcc agatcccat cacaacgcac catggtagc accaagccta accagcttgt 120
 ttgcaaggca cagaagcaag aggatattga tgtcagccca atctctcgcc ggtagctct 180
 aaccgtgctc attggtgctg ctgctgttg ctccaaagtc caacctgctg at 232

<210> 17727
 <211> 224
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959617H1
 <400> 17727
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 ggggactcag ctgcgatgtt acttcagcac ggtggcttcg ttcaacgaat tggcaccaac 120
 ttcgttctga gtaacaggca tttctacttc aacggattca acgcgtactg gttaatgtac 180
 atggcatctg gccagccac aaggcccaag gtcactgccg tttt 224

<210> 17728
 <211> 227
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959618H1
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 acttgctca gttattccaa ttgctgatgg ttctgtcaga acagcactgg aactgggtg 120
 tgggggttga agctggggag cctacttgct aaagagaaat gtgctggcta tgccttcgc 180
 tccaaaggac aaccatgatg cacaagttca gtttgctcta gaacgag 227

<210> 17729
 <211> 232

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959621H1

<400> 17729

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 atggcaatgc catgcgtacg atatgttccc tctccgaatg aacactggct atgggtgcccg 120
 tactccggag gtgaaatgcg caagttggag gcttgctgag gaagcacaca acatcttttg 180
 ctttgagacc attcctgaag agtgcgttga agcaacaaag gaatacatcc at 232

<210> 17730

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959622H1

<400> 17730

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 aaactttgac cggttaagacc atcacccttg aggtggagtc ctccgacacc atcgataatg 120
 tgaaagctaa gattcaagac aaggaaggga tcccacctga ccagcagaga cttatctttg 180
 cgggtaaaca gcttgaggat ggtcgaaccc ttgccgacta caacatccaa a 231

<210> 17731

<211> 66

<212> DNA

<213> Glycine max

<223> Clone ID: 700959623H1

<400> 17731

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 acgggc 66

<210> 17732

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959624H1

<400> 17732

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tgttttcaaag gctggaatct gaagggttga agcctgattc agctacttgg aattccatga 120

tcagtggggtt tgcacaacta ggggagtggtg gggaagcttt taagtacttt gggcaaattgc 180

agtctgttgg tgtgggtcca tgtttgaaaa ttgttactag ccttttgtca g 231

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<223> Clone ID: 700959626H1

<400> 17733

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ttgaggttgt aactggatct gcaaagaaac agacaaagga gaagtcatca gagaacaatg 120

gcaacaaatc aaagtccagt tcaaaagggc gaggatctga acccccaaag tattcaaagc 180

tagtgaagga tgaggaggag ggattggacg aagaagacga tgacgagcat g 231

<210> 17734

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959627H1

<400> 17734

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ctctcaatgg cttcggagca acacgacgcc gttttccgcg aagaagacat ggacgacgac 120

gacgacgagt ctcaggagga cgaagagtac gaagaagacg acgacgaaga aaacgtgccc 180

tctccctcca ccgctctcgc tgtcaccgtc gccgtccccg gttccgcccgt 230

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<212> DNA

<213> Glycine max

<223> Clone ID: 700959628H1

<400> 17735

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acactaaggg 70

<210> 17736

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959629H1

<400> 17736

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gttgtgatgg cacaccagac agcagcacag gaactaaaag gaaataacct aatcaacaag 180
gtttgcacaa tcaccccgag cagagacctc tgcgttgga tcctctcatc 230

<210> 17737

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959630H1

<400> 17737

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ctcgaatttc tcgggaaaca aacacaatca atcgccgaa ctcaaacct aacgacaact 180
aatcgtaggc aatggcgggt tctgaagaag aatgctcttc tgcgaattca 230

<210> 17738

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700959631H1

<400> 17738

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cctccaaccc agaaccacc aaacccgtcg agccacagca acagaaccac gagactgttg 120
 aactcgacca acagcaaccc atccccgaac caaccctaga agactccaac accatggcca 180
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<210> 17739
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 <213> Glycine max

<223> Clone ID: 700959632H1

<400> 17739

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 gatcttcgtc aagaccctca ccggaaagac catcaccctt gaggtggaaa gctctgacac 120
 catcgacaac gtcaaggcaa agatccagga caaggaagga attcccccg atcagcaccg 180
 tctgatcttc gccggttaagc agctcgagga cggccgtacc ctcgccgact aca 233

<210> 17740
 <211> 59
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959633H1

<400> 17740

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<210> 17741
 <211> 77
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959634H1

<400> 17741

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 ctttctggtg gcggtga 77

<210> 17742
 <211> 237

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959635H1
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 ttcatcacia gtaacatcct gtgcatatga atgtataact aactgggtgag acttgtgaag 180
 gatatatgtg gcagttcagt gtcttttagtc atgtgttggt tatctttagt tctagga 237

<210> 17743
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959601H1
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 aatgggaatg agtatcttat caatctcatt gactcccctg ggcacgttga cttctcatct 180
 gaggttactg ctgcactccg tattactgat ggagctctag ttgtggtcga ttgtgtgga 239

<210> 17744
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959636H1
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 attggtccaa agcccccttc atagcctcct acaagggtt ccacattgat gggtgtgagg 180
 cctcagtcaa tgccaagttc tgtgacacac aaggcaagag gtggtgggat caa 233

<210> 17745
 <211> 228

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959638H1

<400> 17745

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 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactg 228

<210> 17746
 <211> 219
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959639H1

<400> 17746

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 gccctgcctt ccatttagag ccctaagaaa aatcaactgg ataagagcta catctgctgc 180
 agatggagggg cctattgagt catcgccagc tttgggatc 219

<210> 17747
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959557H1

<400> 17747

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 gagcgtttcg atgacggatg gggaaatcgt tccgttaaata cagattggaa aaaagatgag 180
 aacctggctg gggagtggaa ccacacctct ggccaatgga atggagacgc taacgacaaa 240
 ggtatt 246

<210> 17748
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 <212> DNA
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<223> Clone ID: 700959558H1

<400> 17748

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 agaccctctc ttggtggcac gcggattaag acccgcaaac ggaatattgc tgcgccgctg 180
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 gaact 245

<210> 17749
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 <212> DNA
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<223> Clone ID: 700959560H1

<400> 17749

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 gcaactttga tgaattggtg atcaaaagca aagaactctg gattgtggaa tttttcgcac 180
 ctccggtgtgg acattgtaaa acattagctc cagagtggaa gaaagcatcc aataatttga 240
 aagggaag 248

<210> 17750
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959561H1

<400> 17750

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 aactctctc ccggagaaat ccaatacgtt gccaaagatg tgaaatcgat tctcaacaac 120
 gacgatttgt acaaggaagc cgcttccgag gcttttccct attacaacaa atcgacttg 180

atttccattc caatgcccaa ccgaagcgga gacgtactgg ttacttcggt cggtgagctt 240
gagggtaa 248

<210> 17751
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959562H1

<400> 17751

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ccccattcgg tgcgggtgttt catggagtgt gcagtcaccg aagggtgtgg ttcagccccg 180
ttcattcagg tcaagctcaa tttcacttct ctcttttcga tcctcgcagc ggcagagtcg 240
catcccc 247

<210> 17752
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959563H1

<400> 17752

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gtccttttga acttcaataa caatttggac tttttttag tttcataccc acatacccg 180
tggttgattt gcaactggtt tacttgctcc atggctcttc acataagcag tggttggttt 240
actgtgatgt 250

<210> 17753
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959564H1

<400> 17753

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 acttgcagga agacccccaa ctacaacggt tgccttgagt ctctgaaggc aagccctggg 180
 agctccagtg ctgacgtcac agggctagct caaatcatgg tgaaagagat gaaggcaaaa 240
 gctgactatg 250

<210> 17754
 <211> 85
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959565H1

<400> 17754

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 ctccactggt ggagctgtca acgga 85

<210> 17755
 <211> 118
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959567H1

<400> 17755

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 gaagggtctaa aaaattccat agattttctt ggtgtgaatt actacaccac ttattatg 118

<210> 17756
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959568H1

<400> 17756

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aagttccaag caattggctg tgggatttgc acttggaat gaaggatagg caacgttga 240
gagctgaa 248

<210> 17760
<211> 106
<212> DNA
<213> Glycine max

<223> Clone ID: 700959572H1

<400> 17760

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aattcgatcat tctcacatct cactcaatca ctactactt caacga 106

<210> 17761
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959573H1

<400> 17761

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ggaaagaaaa tcgccatcat tgggtgtctca accttattgt tgggtggctat ggttgtggcg 180
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aaag 244

<210> 17762
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959574H1

<400> 17762

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ggcgcgagac ggtgacactg gcagagtga atttccgccg ccattcgaag ctacagcgat 120
ggccataacc gccaccattt ccgttccctt cacatcccc agtcgccgca ctctcgctc 180

cgtcaatagc ctctctccgc gttctacccg atccactttg cccacaccgc aacgcacttt 240

caaat 245

<210> 17763
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959575H1

<400> 17763

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tgacccatcg acaacgctct tccaacaacc ccagagagac ctaaaaaaca acccaaagtc 120

gctcttgcaa cccaaaagca acaagaccgt gctggcgta atggcgaaaa catagttcca 180

ttgccctcat ctggggatgc cactgttgac tatgtctcct ccgacaacct taagcccttg 240

tc 242

<210> 17764
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959576H1

<400> 17764

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agccctttcc cttctcagtt gtgatggatt cagcactgat gggctggctt caattgccac 120

taattgcaag aatttgactg aacttgacat acaagagaat ggtattgagg ataagagtgg 180

caattgggtg agttgtttcc ctgacagctt cacatcattg gaagtattga actttgccaa 240

t 241

<210> 17765
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959578H1

<400> 17765

002220" 0311.0300

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 tccgtcgcga tgcaaccagg cttcatctga ttccgatttc ccttogetcc ttctctctct 120
 taacattcat cttcttcgat tctctacaa attatgatta ttattatgat gaactccatc 180
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 atcgc 245

<210> 17766
 <211> 65
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959580H1

<400> 17766

gcgagaatgg aatttcgctg ctcatgcaac gctgttacca ttctcttctc tcttgcggtt 60
 gcagg 65

<210> 17767
 <211> 66
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959581H1

<400> 17767

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 ttgggc 66

<210> 17768
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959583H1

<400> 17768

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 ctactacgta acattagttg agttgaggat aaggttgcag atccttgagg taccttcaag 120
 ccaatcgtgc atcaccacct ctcccgatc agaatgcagc ctttcagaac ttttcaaaga 180

002250"ETTES60

tattgaaaaa acaaaaaccc atttaagtta gttttctttt ctgcatacat agcata 236

<210> 17769
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959585H1

<400> 17769

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taagaatatt tatcgagct gcgaagagac gtgtagattg aacgagaatg gaaacctgaa 180
tgtgcctgta gagaaaactg atacattctg ccaaggacca tgtttgtcag agacaaactt 240
ggtc 244

<210> 17770
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959586H1

<400> 17770

ctaaatctct cacatctctt atctttctct ctctctctta taatacaaga ccctagtcct 60
ctctcagcc ccaaccaccg ccacaccaa accttctct ctcgatttcc cttcaattcc 120
cttctgggct ttgcaattcg gcccaattggg tccccaaatc tgcaaccttt tctctgtct 180
aacgcgaaac ggaagagaaa caccacata gagaaagaga aaaaaacgga gaggaagaaa 240
caattt 246

<210> 17771
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959588H1

<400> 17771

gtggtgctgg tgggctcaac aggacacaca ctgaatgggc tcttgacacc atcaccacga 60

ccacaccct cctcctccca

80

<210> 17772
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 700959589H1

<400> 17772

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cattgccata gatctgagac acagatcaca gggttaacgc tttttgacct ttctctccat 120
tggtcattcc ac 132

<210> 17773
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959592H1

<400> 17773

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gagagtcgag ggaggagttg aatgagaggt tggaaacttg gagacgagct ctagaaacac 120
atggctttcg cctaagcaga agcaaatcgg agtatatgga atgtaagttc aacaaaagta 180
ggaggggtatc taactcagag gtgaaaatag gagaccatat tatccctcaa gtcacacggt 240
tt 242

<210> 17774
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959556H1

<400> 17774

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accatcgag cagcaagatg tggaaccaac cattcgaaa aaccgatttg gaaagcggtt 120
ctcggcctct gtatccgatg atgctcgaga gccctgaact gcggtggtcg ttcacagaa 180

atacctcttc aaaccataaa aaaaaattaa aatgattcac ct 162

<210> 17778
<211> 110
<212> DNA
<213> Glycine max

<223> Clone ID: 700959596H1

<400> 17778

gcaggaggct ccttcactt agtcaactgc cctgtcggtc agagcgttga agctgtatca 60

ttctctgaac ttgaagttgg tgcagatgac agggctgttc tggatcaaat 110

<210> 17779
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: 700959509H1

<400> 17779

ctctacccac acccaaacc aaaccaagtt ctttctttct aattcccttg ataatgtaaa 60

atcacagaaa aacaaaaaaaa gctactcaaa acttggctcc aattagcctt tctttttttg 120

<210> 17780
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959510H1

<400> 17780

gagagacagg aaacaagaaa aaaaaaaaaa cttagaaaag aagagggaga gagaaagaga 60

aaataataag aaaaagaaaa cttgaaaact ttgagggatt gattagaaaa agggacatgg 120

agattctcat cttccaatga tcccttcaac cccacaaatt ttcccgtttg gatttggtgt 180

cacagcttga ttctccattg ctgcgattcc aacatcaaca gctaaaccaa acatctcttt 240

ctttctctct ctctctg 257

<210> 17781
<211> 250
<212> DNA

[illegible]

0631

[illegible][illegible]

0631

[illegible][illegible][illegible][illegible]

0631

[illegible][illegible]

0631

[illegible][illegible][illegible]

0631

0631

aaccctatga accttt

256

<210> 17787
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959521H1

<400> 17787

attttcttct tctgcaggac caaattgata tacaagatca ttgttttaga gagagagaga 60
gagagagaga gagagagaga gaggatgttt ggttcagaga aaactcctct gagagatgct 120
aaacctacct ctgttgacca tgcccataac ccctttgatt ctgatgaaga tacaaaagat 180
aacaagtata attcttctaa ggagactttg accaacacca acccctttga tgatgatcat 240
gttaatgccca ctggc 255

<210> 17788
<211> 194
<212> DNA
<213> Glycine max

<223> Clone ID: 700959522H1

<400> 17788

ggaatcagag gcctttgcag gggagctttt tgatgcgctt tctaggagga ggggaattca 60
aggggattcc attaacaagg ccctgttgaa ggacttctgg gaccagggtt ctgaccagag 120
tttcgattct aggcacagaa cattctttga catggttgat aaagatgcag atggaagaat 180
cacggaggaa gaaa 194

<210> 17789
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959523H1

<400> 17789

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tccttctgcc tccgcatgga cgcattcggg ttcttcgcct tcgtcagcgc caagacgaag 120

gagctcgacg gcctacgcgc cgagatgcct gtggctctgg cggagtgcgt tgatccggcg 180
 aaattcgtgc tggaggcgat ctccgaggtg tttccggtcg acaagagagg ggacaaggcc 240
 ggccacgact tgggc 255

<210> 17790
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959525H1
 <400> 17790

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 ttttcttttc ctctctgtt cttctgattt gaagtttgtc catgaatatt tctgtttata 120
 tctaccttgc aaacttgccc ttgagacttt agtaaccttg ggatatagag gaggattcaa 180
 atgttgctgc ttctgcaaat gtttcacttc aaatgaaagc agactttctta tagattattt 240
 cattggtcta ccc 253

<210> 17791
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959527H1
 <400> 17791

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 tttgtatatt gcagatgcat attttgggct cctgaaggta ggacccgagg gtggtttagc 120
 aacatctctt gtaactgagg ctgaagggat tccattgaga tttacgaatg atgttgatgt 180
 tgatacgga gggaatgttt attttacgga aagcagtgc ctttatccaa ggaggaattt 240
 ccttcagctg 250

<210> 17792
 <211> 70
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959528H1

<400> 17792

tattactcct tattcattca ccaccctatc caacatggct gacgagactc caaaccagac 60
aaccacacca 70

<210> 17793

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959530H1

<400> 17793

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actcttggtc ttgcgagaga aagccatgcc agagacgaag atttttggca tgctgtttgg 120
ccaaacactc ccattccaag ttcatcgcga gatcttctaa agcctggccc tgcaagtgtt 180
gaaatcgatg atcacctat gcaaattgaa gaaacacagt acccgaaaac cttcttctat 240
aaagaagacc ttca 254

<210> 17794

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959531H1

<400> 17794

tgtgaattaa aatatattca attttgcgtt tctctgccta aaaggattga aagatgggtc 60
aagcattcgg ttgctaccaa gtcgatcagt caaatgtggc tatcaaggag cattttggaa 120
aatttgatga tgcctagag cctggatgac actgcctgcc ttggtgtctt ggggtaccaga 180
ttgctggtag tctgtcgtg cgagtgcagc aacttgatgt tcgatgtgag acgaaaacca 240
aggacaatgt cttt 254

<210> 17795

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959533H1

<400> 17795

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 aaattgaata agtaacaat ttaattggat tggtcgaatg gtatcaaaaa aatggagtag 120
 taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt tatcgaacat 180
 ttctttttga tttcaaaaat tttccggaaa aaatttgaat ctatttttat atgcgaatca 240
 atcctactac ttctgggcc 259

<210> 17796

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700959538H1

<400> 17796

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 ctctctctct agaacttcgt cctccctctg cttctttctt tcttagttgc agcgcgattg 120
 ctgcatcgtc ctccaataag agctcgctgc tagtgaaccc taacacggcg gcaacgagag 180
 gtgttcgggt gaagctcaga tcagcgatgg cagcagcaac ccgcacttct ctgcgggtcc 240
 tcctctcagt ct 252

<210> 17797

<211> 69

<212> DNA

<213> Glycine max

<223> Clone ID: 700959539H1

<400> 17797

gttcacaggt tgtaaaaata tatccaaatt ctgacaactt tcgtaaagaa cacatattct 60
 ctttaagtg 69

<210> 17798

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 700959540H1

<400> 17798

gattgatttg gtgtgtttgt attgtgaggt gttgtgagta tatataaata ggttactttc 60
tcagttgttg ctgttttaggg acactatcga gtttatagtt cagatggggg gtcaagaaaa 120
tgcaatgggg gggtttccac a 141

<210> 17799

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700959541H1

<400> 17799

atgaattaac acgcaagtat gagcgggtca gtgggggaac aagttctttc ttttattatt 60
gtgaaagaga tggtagggccc gcaaattgaa aggaaaatga ctgagcagtt gcagcagggg 120
tgattgatga tgatgatgat gatgatgggt cttgctcgat ctaatctgaa tatgaagcag 180
cgattgttga gactttgtta ctattgggtc tctctgattc cgcaactatt gcgtctcctc 240
caaatgcttt gct 253

<210> 17800

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 700959542H1

<400> 17800

ctaccaacta ttctctctcg ttctctgatt tctgaaatcc ctcagccatg gtttctctt 60
ccctctctct gtcactctct ctcacccttt gccttgtttc cactctctgc tacgctcaca 120
catcttcctt aa 132

<210> 17801

<211> 65

<212> DNA

<213> Glycine max

<223> Clone ID: 700959543H1

<400> 17801

00220 "CTT430"

gtgacacccat gaacattaat tcaacttgccc gtgaatcctt ggtcaatgcc gacgggtatta 60
tagag 65

<210> 17802
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959544H1

<400> 17802

cacaaggcag aaagcaagct catcctagag ttttaaaaat ggcagcagcc tcttccatgg 60
ctctctcttc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccgaag 120
tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggg 180
acggcccaga ccgcgtcaag tacttggggc cattctctgg cgagcccccg tectacctca 240
ctggcgagtt 250

<210> 17803
<211> 130
<212> DNA
<213> Glycine max

<223> Clone ID: 700959546H1

<400> 17803

acaagacggg atacgtccac atatgtttaa atccgtaata gctgccagcc atcctgaatt 60
ttcatctccg aggcaacagg acgccttaga attttctcta cattttcttg atcaagtcga 120
gcgagctaatt 130

<210> 17804
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959548H1

<400> 17804

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gtcacatca agtcgtttgc atcaggaata atggtcccaa aagaatacat atggccagtt 120

aaaccagaca aatatctagg acttcccaca acacttggtg ctgatgccca taaatcagga 180
 ctagaagttt atgcttctgg ttttgcta atgacttctta ctagtatatag ttatgactac 240
 gaccctgttg ccga 254

<210> 17805
 <211> 163
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959549H1

<400> 17805

tggagaggaa aattttgtca cacctgcttc tagttccatt aactcttttg gggaaatgtga 60
 tactacccaa gttcaaaggt gtcccgagta tcatactcct caagattcat taaccttcaa 120
 tgaagctgca gtcttcaatg aggatgatat tcacactagc aat 163

<210> 17806
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959508H1

<400> 17806

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 tgttcacttc ttcttcttct tcttcttcaa tatcttggtt ctttgatatt attctattga 120
 gcaaaaaatg ggagttccag agagagaccc tcttgacaaa ttgagtttgc ctcttggggtt 180
 taggttttac cccacagatg aggagc 206

<210> 17807
 <211> 161
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959553H1

<400> 17807

cttcaacagt gttagctgat tgacaccatt gttctctctt ctgagcaaa atagtgtcat 60
 caaaggctct catcattgct aagctactga ttcaaaaaag cactccatga ataacaaact 120

acattagact acaaatcaga agccaagggtg agactttttt a 161

<210> 17808
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 700959554H1

<400> 17808

gctgagaagc atgctgccat agaagggtgat ttagttgtgc agccatcaga tgatcacttt 60
tggtttcacc ggccccgtgt tgcctcttt ttgattcact ttatcctttt ccaaaatgct 120
tttgagatag cttttttttt 140

<210> 17809
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959555H1

<400> 17809

gaaacaaatt agaagagtgt gttgtgttgt gttggagtag caagctagca aagatgtttg 60
gcatcttagg aggcaataag gggcacaaga tcaagggtac tgtggtattg atgagcaaga 120
atgtgttgga cttcaacgaa atagtgtcca ttactcaggg tggtttgggt ggtgatgcca 180
ccggcatctt cgggtgctgcc accggtattg ttggtggagt tgcgatggt gctattttca 240
tcttcagtcg 250

<210> 17810
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959472H1

<400> 17810

ggaggagtga cattgtggaa gaaagactga aggtgttcgc gatcggagac ttgaaaccc 60
tcctttcacc catttatccc aagcattcaa caatgtctcc gttatcgaag ctctcgttgc 120
tgatactgat gggttcatct cctccgcgat ggcctcctcc gacgagagag tgagcgaatt 180

gctctccctg caatccagat ccaaatcggg cgtaatccgg ctgaacgacc aatccctcgc 240
ccgcttcctc 250

<210> 17811
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959473H1

<400> 17811

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cgagttgatt ttgattgggg atttcaggaa ggaagacaat ggggtcgtgg gaggagcggg 120
ggccagggtgc gggatagtag cgactagat tatgatcctg gtagagggtg ctacgggaag 180
ctggttcaga aagagttaga agtacaaagg cagctttag attatggtgc tggttctttg 240
ggttcttttc caccagt 257

<210> 17812
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959474H1

<400> 17812

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atcatcacca ccagaagtgg catgttctga catgggtgag ttggagctgc taccagtgga 120
catcttgatg cacatctgag acttttgggt ccaaagagg ctgcaaagtt gagtgtgggt 180
tgcaaggctt tgagatccct tgtgtctgat aacagacttt ggattcactt tcttcagacc 240
catcaggctg agccc 255

<210> 17813
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959475H1

<400> 17813

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 caatgaagag gtatctgatg atttgtgtat ttgatgagct tttatattaa tttgctatag 120
 agattctata accatttgat tattttctac ctgttttttag ggtctgactc ttttaggcca 180
 gttttatgtg aacatgggtg tcttggcagt ggcaccaaata ataatcagaa ctttgaatgt 240
 tgattaaaaa aggatgt 257

<210> 17814
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959477H1
 <400> 17814

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 agatctaggg tttccatcga ttcggagaga ggatattgat agaacgacct caacgagcaa 120
 ggtcaggagg tggagtctag aacatggatt cggtgccttc gaattcgcac ggaaacctcg 180
 atgagcagat ttctcagctc atgcagtgc aacccttgct cgagcaagag gtaaggggtct 240
 tgtgtgataa ggcaaa 256

<210> 17815
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959478H1
 <400> 17815

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 tcgcagatcg aatacgagta atttactga atcttattga agatgtttct cacaagatct 120
 gagtatgatc gatgtgtaac acctttctc ctgaaggccg tttatttcag gttgaatatg 180
 caatcgaagc catcaagctg ggatcaactg cgattggatt gaagacgaaa gaggggtgtg 240
 tccttgcatg tgaaaagc 258

<210> 17816
 <211> 253
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959479H1

<400> 17816

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 ttgattctca cgcaatatgc aacttacagc gcnacatctc cctccgccaa gttcgcccca 120
 ccaactcgaaa cgtcgtcggg gctccgcgaa gcccgtcgcg cctcccccca ccaagctcgg 180
 tcgccgccga aactccggct gccgcacgag cgaactgagc caggtctccg gcgtgcttgg 240
 ctgccattgg gga 253

<210> 17817

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700959480H1

<400> 17817

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 ttgccctcac aaacccaagc cgcacattcg tcttcttctt ctgcgccatc tcttaaccct 120
 aattccaac atggaatcgg atccctattc ctcaaccctt cccttctctt tccccctcac 180
 caatcaacct cactttcgga tctctccaga tctccgatac cccaggttca tcggcttcag 240
 ctgctcaaga ttctggtgga tc 262

<210> 17818

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700959481H1

<400> 17818

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 agggaaatctc aacccaaagt ttagtttttt atttttatta ttattattat tggtgttatt 120
 tctgccacaa ctttaggggt gcattgcaaa tggttcccat tggtgcaagc ttgccgccac 180
 cattgctgct ccctgctaga aaatatcatc cgggcaactt cccaagttcc cctttttctc 240

251

<400> 17819

tcgtgccact tcttctcgag cagtggcatc tcatattggt ggttatccac acaacatac 119

<400> 17820

tcattgctg 249

<400> 17821

agtgggaatc ctgacccttt tagtgtatac aagctttttt tttttcttaa gtgcatcaga 240

gtttgag

247

<210> 17822
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959485H1

<400> 17822

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 aacgtgaagg atcgaccatg gtgcggccgg cggaggaggt ggcgcggcgg gtggtgtgga 180
 actccaa 187

<210> 17823
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959487H1

<400> 17823

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 agtcactgat ttgctggaag tacgaatttc attataattg ctgcattgac cctgggtcatc 180
 aaaggctcct ggtatttttcg acagataatc ctactttgt ttgttgggat atggggaatt 240
 cgcctcgg 248

<210> 17824
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959488H1

<400> 17824

cggattggaa ggacagggcg tgcgggatca actggcttag ctacttcatt ttacaccgat 60
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acactgacat ttcaactgga aaggttgcta gaaggaagga gaaagaagca gcagctgcac 180
 aaaaagaggc aaacattgct ttatccaaac agttaggatt gggagctgct tcaatgaaca 240
 ttgaagataa at 252

<210> 17825
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959490H1

<400> 17825

cgctctttca gctttgactt tgggtggaac taaagactag tcaaaatggt gaagttcaca 60
 gctgaagagc tgcgtcgcat tatggactat aagcataata tccgtaatat gtctgtcatt 120
 gctcatgttg atccggaaaa tcaaccctga ctgattctct tgtggctgct gctgggatta 180
 ttgctcaaga agttgcaggt gatgtccgta tgactgatac ccgtgcagat gaagctgagc 240
 gtgggtattac aa 252

<210> 17826
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959491H1

<400> 17826

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 tttttctctc cgcactctcc ctgatggcaa gggtgagagg ctctatggtc tcgcccccg 120
 tgccaagtac ttggaagaa cgaagatggt gtctccattg ctgcgctcaa cctcatgaac 180
 caggacaaag tctcatgga aagctggtag tatttgaaag atgcagtcct tgaaggaggc 240
 attccattta acaagg 256

<210> 17827
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959492H1

<400> 17827
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 aaaaacacca ccaaattgga gaggaagagg agcagcctaa gaatgacacc gagaacaagc 120
 ccgaggaggt agccccaaga aagacgacgg acccatccct gtcgtttaca aactcgactt 180
 gcattgagag ggatgagtc aagaatcaa acgcacctgt cgccacttcg aaggtgtgga 240
 aaccgttaag gcggatc 257

<210> 17828
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959494H1

<400> 17828
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 ctcagctcag ggtattacgt agtacgtgga gaatgggaag tactgaaaag atcccaatca 120
 gcgctgaaag ttcagaacca ccatcgagat aaaaattaaa acattggatt ctcaaactta 180
 caccctcaga gtggataaac agatgccagt ccctgctctg aaagaacaga ttgcttctgt 240
 aactgg 246

<210> 17829
 <211> 194
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959495H1

<400> 17829
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 atatgggtgg tacaaccaa gcaacgtcat gggaagattg caccaggtcc caaggcgttg 120
 ccaattattg gtaacccac atgctaggga aactcccgca ccgcaccctt caaacctttg 180
 caagaaaata tggc 194

<210> 17830
 <211> 259

[illegible]

<400> 17830

<210>	17831
<211>	264
<212>	DNA
<213>	Glycine max

<400>	17831
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<210>	17832
<211>	107
<212>	DNA
<213>	Glycine max

<400> 17832

$\langle 210 \rangle$	17833
$\langle 211 \rangle$	83

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700959503H1

 <400> 17833

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 tgcatttttg aggtgccgct gtc 83

<210> 17834
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959504H1

 <400> 17834

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 tacttcgcgg gtctacgcgc gaccgacacg gcgagcgatc tctcgccgtt gaagatcaga 120
 gggctgatat tgcggcaggt gttttccggt gggaccaga ggagcaaadc cgaggttagg 180
 ctggagaacg acgaggttct tccgctgtgt gtgacggatt tggtgtggga gctggcgctg 240
 ccggttggcg ttgacc 256

<210> 17835
 <211> 257
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959507H1

 <400> 17835

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 ctgtggctag aactacatgt tctgtggttc cttcatgct ttgcactgtg gctggctcct 120
 gttctgtcaa ttttactct ctgggggttc agtttgagtt agctcaagat aaagacatgg 180
 attctcagag gtttctcatt tgacaaaaat tgtcttgat ttctttgagg gaagaagaag 240
 tagatcaagt taaaaga 257

<210> 17836
 <211> 253

<212> DNA
<213> Glycine max

<223> Clone ID: 700959470H1

<400> 17836

gaaatttccc gaaggaggag gaggttctga tcttctttct tttttgtctg gttccctttc 60
ttccttcaac caatttcgag atccgaaacc ggcatcagat ccgatccgaa atgtacggat 120
tcgaagctct cacttcaaca tccacggcgg ctctctagag gccatcgctc gcggccaccg 180
cgccggcctc ctcaccaccg ccgattacaa caactctgc caatgcgaaa ccctcgacga 240
catcaagatg cac 253

<210> 17837
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959439H1

<400> 17837

gctgctgctt ctccgaatcc tcttcattgc tctgcttctc atgttgtgctg ccccatcttc 60
atcttcttcc aaacccaaag accccttctc cggcgtcgcc cccgaagatg acgactatta 120
caagtcttcc gatgtaaaag ttgtaaagat ggatccggaa aattcaccaa ggctcagttc 180
aatgatgatt tctgcgattg tgctgatggc accgatgaac ctggtacatc ggcatgtcct 240
ggtggaaaat tctatt 256

<210> 17838
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959440H1

<400> 17838

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tagcattacc atgttggttg gataactgaa gtgagtgatg atttcaactt caagcatggc 120
tttgctttct ttactaccaa aacggcaccg catgcccttt ccctcacaaa cccttctct 180
tccactcccc tcattctacc ttccagtttc caatggttgc ctcaccctct tccttctcct 240

ctctcttccc tcaaa

255

<210> 17839
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959441H1

<400> 17839

gagacggaat ttggacatgg caccgtataa accgtctgtt taattggctt cctctagcag 60
ccctaattga gaaaaaaatt atttgcacgc atgggggtat tggtcgttca ataaatcatg 120
tggaacaaat tgagaatatc agcgtccaat tacgatggaa gcaggatcaa ttgtgcttat 180
ggatctatta tggctctgac ctacagagaa tgacagtgtt gaaggactgc gaccaaagtc 240
taggggtcca ggattagt 258

<210> 17840
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700959442H1

<400> 17840

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taaattcccc tttccaaccc taatttttct gcttaattaa ttccatttaa gtcctttaat 120
atgcagaccc tcaccccacc taccccaacc ctctcaacta tctcacggtn gcgcgtcagt 180
cggtcattcg ggtggctcgg acgcgtttca gagtcaaatg cggttgccgg ttcgaatccg 240
ggagtttctc gcaggg 256

<210> 17841
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959443H1

<400> 17841

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gaattgggca aagggtttct cgcggaatgc tccctatcct cgctctccac accttcagcg 120
agacaaaacg ctccgaccac aacctccggt caccgcccgc ctcacgccc ccaacaccct 180
catctacctc cgccccctct tctcgcaccc cctatgtccc cccatcgaac aagtctggtt 240
caaccctcac ctcacctca ag 262

<210> 17842
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 700959445H1

<400> 17842

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tcacttgat cagtgggtgt aacgatatca atgttttgcg agagttttta tttactctta 120
cagttattag tgaaagattg gcggtctcat ctcc 154

<210> 17843
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959446H1

<400> 17843

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cagacaaagg gacaaaaaat cagtgtgtga gagagagaga gagaaattcc aaaaccatgt 120
cccacagtca tctaagtttc gctttgggat tctaggtaac attgcctcct tcgtgtgctt 180
tctggcacca ctaccaacat tttatagagt ttgtaagaag aaatcaaccg aagggttcca 240
atcaattcca tatgtggctg cac 263

<210> 17844
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959447H1

<400> 17844

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agaaagacac ggcattggct cgacggtttc aacctgtttg ggttgatgag ccgagtgagg 120

atgacgcaat caagatactt atgggtctacg tgagaaatat gaggcacatc acaaatgcag 180

atacactgca gaggtataaa aggctgcagt tgattgtcag cgagatacat agtgataggt 240

aactacctga taaagctatt gac 263

<210> 17845

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959448H1

<400> 17845

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aagagagaga aacacagatt ctttctttcc cttccacaca acatacgata tcaatcgntc 120

tcttgccgat tccgccattt ctcatcgga ttcgagattg ttgcaggtgc attgcttttg 180

cctctcgatg gtatgttccc gggaaagtgg gagaatggaa gtcattggcca ggcttctcgc 240

tgctgagact ttctctcaca ctgtagcag 269

<210> 17846

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959449H1

<400> 17846

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ccgagagttc ttgaagtttt gtattgaggc tccagaaact ttatgagtgc tgttgattga 120

ttttcaactt ggcaattaat gaaagagcat ttcatgtaga ttttcttcac cactatctgc 180

tctatgcact tcttgtgctt tctgcagttc tgaattatc aagtaactgg ttcagtttaa 240

catatgattt agtataaaa 259

<210> 17847
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959452H1

<400> 17847

agcaaacatc agttgttcta tattacattg ttggagacta ttagggttac gatggattct 60
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 ggtggggaca aaagtggaaa tctgaagaga gaggagcgaa tggtagttca aagcataagg 180
 gtgatgatga tgaggatggt gatctccatc ccaagcattc aaaacctgga caccattctc 240
 atgatcgaga 250

<210> 17848
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959453H1

<400> 17848

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 tcccatgctt catcttcttc ccttatctcc acacccttcc g 101

<210> 17849
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959454H1

<400> 17849

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 aatccatgtg ccttcaagga gattacacct tccgtgaaag aggtaatagc acgagatgaa 120
 aaaactgaat ctttttctact gttgaacctg aaaatgggaa gttggagatc aatgatggaa 180
 aacagactaa tggcactagt aaagactcca ggtagagga ttctgatgct ttacatatga 240
 aattgggttca aaatg 255

<210> 17850
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959455H1

<400> 17850

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 actctctaga ttctcatcta tctttcttcc aacctcttct cttctatacc cttcagaaaa 120
 aaataatata gaaacatagc ttcagattat tctagctctt catttttttt ccttgttcaa 180
 tattatgctg taaaattctc aaactcacag tttcagttca gccacatttt ggtctaaaga 240
 tccgtgcctt gaccct 256

<210> 17851
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959456H1

<400> 17851

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 gaattcatca caatgaattc gtcaactaca gtgaggaagt tgcaggtggt gtccccctgtt 120
 cctgcgga tagacacgca aactccgttg aaccagttca tatctcccag attgccaaag 180
 agctcaacct tagtcccaat cactatgacc tttacggtaa atacaaggct aaggttttgt 240
 tgtcggttct tgatgag 257

<210> 17852
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959457H1

<400> 17852

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 aaggaaacaa caacaccaag caattcactt tttccaaagc cgcaaattctc ttgccgttgc 120
 agccacgggtt aaatgtctct tttcttcttc aaaggatgca ggctccagtg acaacacacc 180

gctcatcgcc tccgagaact tcacctcctt cgccgtcatc gaggccctcg gcagcgctct 240
cacgaacaaa tactccgagg gcatg 265

<210> 17856
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959464H1

<400> 17856

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agcttcccta ccaaagttaa attggtgttc gcattacaaa cttatattca gaaatcaaaa 120
aaatgattgt gggtatttcc atcggtaaaa gtttactttt ggagtagatt tattagaaag 180
acttttttagc tgactctggc atgggccagg ggagttttta aattgcaata tcaatgagac 240
aatgacttcc 250

<210> 17857
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959465H1

<400> 17857

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tggtttacca ggacctcctt acaggtgatg agcttctctc tgactccttc cgttacaagg 120
aaattgagaa tggatgctgt gggaagtga ggggaagtgg gttgttaaag gagcagttga 180
tgtagacatt ggtgcaaacc cttctgctga gggtygagga gaagatgagg gagttgatga 240
tgcagctggt aaggtt 256

<210> 17858
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700959466H1

<400> 17858

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 gaagaaggac ttctcgaccg cgattctgga acgtaaaaag tcgccgaacc ggcttgttgt 120
 ggatgaggct gtcacgacga caactccgta gtgaccatgc acccccaaac catggaaaag 180
 cttcagcttt tccgagggga cactatcctt atcaagggtta agaaacgaaa ggatactatt 240
 tgcatagctc ttgctg 256

<210> 17859
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959467H1
 <400> 17859

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 tttcattgga tcttattctt gcatgatgtg ctataggtaa tgagttgagt gggaagggca 120
 ttggggctag agtgggtgctg cacagtatgg gaaagacttg ataaagctta aagaaatttt 180
 acgcacatta tacaaaaact ccacgttcaa accttcctt gtagcacctg gaggattcta 240
 taataaggag tgg 253

<210> 17860
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959468H1
 <400> 17860

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 ttgttctctt cccacagttc tcaactgaatc aggatccatt ttgataccaa gttgctgttt 120
 agagatctgt ttcttctaga caacggtctg tgctatctgt tatttttagtt gaatcgaagc 180
 tgcaacaaaa tcttctgat ctttgctttg aggttatggc atcggcgggt gtagcacctg 240
 cttctgaggg taaga 255

<210> 17861
 <211> 249

<212> DNA
<213> Glycine max

<223> Clone ID: 700959469H1

<400> 17861

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aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
ctatggtgcc cgactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180
aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240
catggcgaa 249

<210> 17862
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959438H1

<400> 17862

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atcacagtgg tgtggtgcmc ggtggcggtg ctattatgcm ccgcgcccg tgcgtcgtgg 120
gtggaggagg cggcgaaccg atacgaatgg tgtcacgcgt ggaggcggag gtggttcggg 180
tgatcgggga gtgccgcmgt gcgttgaagt ttgctaggtt cgtgagcagg ttcgggaaga 240
gttaccaaag cgag 254

<210> 17863
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959409H1

<400> 17863

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tcgcttatcg ctcttcaaca ccctctccct cgtacgaaat ccccttact ccctccgacc 120
acggcctccc tcccaacacg gagacaccga ctccatcccc taccacctcg tcattcgcct 180
catccaagcc tccaccacc tccaaccagc cttcaaaacc ctcatccaaa acatcctctt 240

ccaaaaccaa aaacatcaac ttttaat

267

<210> 17864
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959410H1

<400> 17864

taataacagc aacaaccatc accacettca gttctcacct gtctttgatg gccgcttgca 60
actctgctat ggcgatggaa caaggcattc tgaccacaag gggaagggaa agaactaatt 120
aagttcccc gaggaacacc actttcttcc tggaattttg ttctgtgttt ttgtaggagc 180
aacaagctgt gtcccccttc cttctgcaaa atggaggata agttgttgtc atcaagtgtt 240
ggtgtttctt cttggatcat tta 263

<210> 17865
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700959411H1

<400> 17865

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aagaaccaa agaaatatga agaactcggg gcaaagattc caaaaggtgc tctcttggcc 120
ggtcctccag gcacaggaaa aaccttttag caaaagctac agcaggggag tctggtgtac 180
cctttctttg tttatctggg tctgatttca tggaatgtt tggtggtgtt ggaccatcta 240
gggtgagaaa cttgtttcag gaag 264

<210> 17866
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700959412H1

<400> 17866

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tcttctttat cttctttctc tctctctctc tctctctaaa tatttttctc tctcttcagc 120
gaattcgttt ttctcttcaa gcttcgctat ggcgtctgga tcttcgggtc gcggaaactc 180
tgctccaaa ggcttcgatt tcgcttccga tgacatctc tgctctacg acgactacgc 240
caaccgcgat tccacttcca acggc 265

<210> 17867
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959414H1

<400> 17867

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ccactcacac acactctctg cccctgcaca tgcacatgca ccattctcac taatcactag 120
ggtttattca tccatccatg gagctaccgt tttctctctc ttcttcttct tcttcacctt 180
ccaccttccc tctgcttct caggacaatc gagctccatg gaatcagtgc ctgatcttca 240
gaacactatg tacgctccca tcgacgg 267

<210> 17868
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 700959415H1

<400> 17868

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ttcaataata ataataattc tgactaatct caaccttggt cagtattcag ttgattaat 120
gacaccaaga tccaagcaca aagttgtttc ttttttcatt tatttgcgtg tctgcctgt 179

<210> 17869
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 700959417H1

<400> 17869

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 acaatgatgc aaacaaacag gaaccgtttg gcagcttaat gtttcaagat ctattatttg 120
 ttacttcttc caatttatct gtaacttgta ctcccctgcc cttttaagaa tacttattta 180
 cttattattt tatttgagcgt aatttcagct ctttctgatg tcaaaaaaca tgagcagaaa 240
 gatgataacc ttccagttga catcaaattg cctgttaagc 280

<210> 17870
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959418H1

<400> 17870

agaacatcga agcatctagg atgacactgc accgctttgg caacacctct agcagcagca 60
 ttgggtatga gttggcttac atggaagcaa aagagagtgt gagaagagga gaccgcgttt 120
 ggcaactcgc atttggctca gtttcaagtg caacagcgtg gtttggcgcg ccatgcgccg 180
 agttaccaag ctttctagga acccttggct tgattgcac aacagatata ctgcacctct 240
 caacaactga agcaaaattc ta 262

<210> 17871
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959419H1

<400> 17871

ggcattgttg ggtatatttg cttagcctta ttgttctttc cggtcacgag agggctcttca 60
 attttgcggt tcattggctt aacttcagag ggaagcatca agtatcatat ctggctagga 120
 cacattgcaa tgacctctc acagcccatg gtctaggta tattattttt tggggaaaga 180
 cacatcaaat cttggagata ttcaaattga acaaaattgg cgtctcaaat gtggctggag 240
 ctgtttctct gctagctgg 259

<210> 17872
 <211> 257

<212> DNA
 <213> Glycine max

 <223> Clone ID: 700959420H1

 <400> 17872

 attttcagtt aaatgtggag taaggggtaa cactggtcca gcctgcaatg tggttggaat 60
 gattgatcga atgatattgg gtatacaaca cctgtacaag agaccaatat atgcgcggat 120
 gcctgaatgc agtattaatc tcccaactat ggaccattac ctctgatgc tcttgcttgg 180
 tgtcaggccc cttttgatcc tgaaggactc ctaagttcag tgatggctat tgtcacctgc 240
 ttgattgggt tgcacta 257

<210> 17873
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959421H1

 <400> 17873

 gatgtctaatt aggtgcagca ttttctatc ctggcaaag taaaaaaca ggtattggca 60
 aacagaaaca ccctttctag catagggatt tgatctctcc accttgggtga aagccttggt 120
 acccattagg cttttacaaa ggtgggattt tgactagctg ggtgtttggc tgttgagttt 180
 atggagggcc aagttccttg ttgaacagtg tttgtgttgc ctttatctgc agcttttaatt 240
 tgaaccaatc ctaccctc 258

<210> 17874
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959422H1

 <400> 17874

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 ttttcttagc agtgcaattc aagggatcag tatctcttca tgttgactat gaatttgctg 120
 ctagatcaaa atcgactgag agtatataag caggtgcaag ggagattata ctttcacggc 180
 gggcaaggct gtaggggtata ggaacctgtt tggatttcca tggactgcat tcatagcaga 240

258

<400> 17875

<400>	17876
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<400>	17877
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7762

<210> 17881
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959429H1

<400> 17881

acaagctcaa gcaagcatgc accgcaagct ctcacctttg aagccccaaa ttttaaaaga 60
 tataactggc ctgacagaaa ctgagaggat gacacgtaat agtgtttata cctctgcact 120
 taactgtgat gacatcttgc atggatccta cttegaatac caccaccaac tatctccaac 180
 ttaattatcg tatcaaaaat atggttgcgt gtgatatgca gtccttcatt tcgtcaatgc 240
 tacttgaggc aatgggga 258

<210> 17882
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959430H1

<400> 17882

cagttcccta cctctccttt caagatgcag atcttcgtca agaccctcac cggaagacc 60
 atcacccttg aggtggaaag ctctgacacc atcgacaacg tcaaggccaa gatccaggac 120
 aaggaaggaa ttcccccgga tcagaacgtc tcattcttcgc cggaagcag ctcgaggacg 180
 gccgtaccct cgccgactac aacatccaga aggagtcaac cttcacctt gtccttcgtc 240
 tccgtggtgg catgcagatc ttcg 264

<210> 17883
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959432H1

<400> 17883

ggcattgttc caaatgatca cttctgctgt tctcttctaa atgttctgac tcaaacacca 60
 aaagaagagc ttggtaagct aacagattgc attgagaagg ctaatacaaa gcttgggact 120

gtggtaagat atttgatgga agagctgagg gtgatgaagc ctttagaaag gaagcattag 180
 aactttttaa ttcaattgat gctgaagtaa agaagccttt atgcaattgt ctaattgatc 240
 tttgtgtcaa gctgaatgtg cctgaaagag 270

<210> 17884
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700959434H1

<400> 17884
 caaatatctc tccgttaatg ctctcaccac aaacttcaat agattagcca aaagctaaca 60
 ccaactatag gccaaatcac caataaatat tatttcccg tcttttggcg tgttggccac 120
 ccactgaaca catttgcac acacatagaa tgagagagag gccattggtt ggtttcagag 180
 atgggaagca tgcacataga aaccccagaa acttttgctg atggtagcaa aaacttcgat 240
 gagangggga cgagctaaaa g 261

<210> 17885
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959435H1

<400> 17885
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 cctaagaagc gcacacgcgc tcgcaaggca ccacgtgcag ccgcagctgc tggcagcgga 120
 acgcgctttt gcgacggagc ggcgaaatcg atatccccgt cggcggatcg cgtgaagtgg 180
 gactaccgag ggcagaggaa gataatcccc ttaggcagtg gctccccaaa gtggccgtgg 240
 atgcttacgt agcacccaac 260

<210> 17886
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959436H1

<400> 17886

atcttgccaa gaaaatctgg tgctttggcc ctgagaccct tggacccaac atggtggttg 60
 atatgtgcaa gggagtccag tatttgaatg aaatcaagga ttctgtggtt gctggattcc 120
 agtgggcatc aaaagaggtg ctttggctga agaaaacatg agagccatct gctttgaagt 180
 atgtgatgtt gtgctgcacg ctgatgctat ccacagagga ggtggtcaaa tcattcctac 240
 tgccaggaga gtctt 255

<210> 17887

<211> 123

<212> DNA

<213> Glycine max

<223> Clone ID: 700959437H1

<400> 17887

gtttcgtctg tcaaaatctt gacaatatat gtatctcagc atatgaactt actcaacttg 60
 gtcagtgtg acttatgtta ataattactt cagacttgtg tagtagtaaa tgctcctaata 120
 gtc 123

<210> 17888

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959408H1

<400> 17888

ctttccccc tctgaattaa acagatttgg acgacacctt gtacccgtca agcaccggta 60
 ttgacaagtg cgtcaagaaa aacatccaac tctttctcat ccagaaatgc ggattctcag 120
 aatccgaagc cttcaccttc cggttgatct cttcaaaacc tacggaagca cccttgccgg 180
 tttaagagca ctaggccatg atatcaccgc agaggagtac catggtttctg tgcacggaag 240
 gctaccttac gactccatca 260

<210> 17889

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700959369H1

<400> 17889

cggatatggc gaggaacaca gctgacctcg taacgcagct caacgttgct catcactttc 60

cacacaacat ac 72

<210> 17890

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700959372H1

<400> 17890

tttcgatgct cagtcacctc ttttaccatt ctcttctctc ttgctcttgc aggagagagc 60

catgtccatg catcgctacc tgaggaagat tattgggaag ctgtttgcc aaacactccc 120

attcccactg cactgcgaga gcttctaaag cctctccctg caggtgttga aatcgatgaa 180

ctccctaagc aaattgatga tacacagtac ccaaaaacat tcttctataa agaagacctt 240

catccag 247

<210> 17891

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959373H1

<400> 17891

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taaaatacat ttttctcttg tcttattatt ttcattttca tggctctatta actttaaaat 120

agttatcttt aatatcttga agtatctgtt ttatataaat aacaaattgg tttttccggt 180

ttaaccatgt taattttaga tgatacaata acatttatat agtttgactt ttttcataaa 240

ttaatcaa 248

<210> 17892

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700959374H1

<400> 17892

cgctcgagcc gattcggctc gagcaagctt ctaacgaggg aagacagacg tcaatgggtt 60
 ttgtgtacga gcaatttata tgggcatttc ttgttgggtg cacgttcatt agtgtattat 120
 ctcatcctga tgaagcagct ccaaagtaca catttgtaga agaagctgca tctgctccag 180
 aaatcttaac ttatgactac gtagtgattg gtggaggaac atgtgggtgt ccactagcag 240
 ca 242

<210> 17893

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959375H1

<400> 17893

ggcagaatca cgcttcttgg ccactatcca tcaactgtta caaactttac acttcccaca 60
 aactctcca cctgaaagag aactcaaca caaaaaaa aaatttggaa gagaaaaaga 120
 gagagaagaa tggagaaaaa gggtctgata ttgtgctgtg ttgtggcctt cttggggctg 180
 ttgtcggctg caactagctt cggtgctgaa gcgacaagga ttaaggtttc tcaggttcat 240
 tttgttgc 248

<210> 17894

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700959376H1

<400> 17894

agagttaggtt aaaagtagga aatgaaagtg agggagagag aatggaggaa gaggcaggga 60
 tctaccgtct agcggaggac agcctccggc agatattctg caggctgcca ctgagggaaa 120
 taatgatatg cgcctcagtg tcaaaattct tctgcagct gctctcaaca ccttcgttcc 180
 tccgggtcct ctccagctcc catccgccc tccagctcct gggcctccgc aaccgccacc 240

acac

244

<210> 17895
<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: 700959377H1

<400> 17895

ctaagataaa acctgattag gtacctgaac attataccag ttgaatttat gtatttttca 60

cttgtaatt gctcaaacac aaacttggat actgt 95

<210> 17896
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 700959379H1

<400> 17896

caattgcaaa gaaggagatt atccaccgtt tctctgccc tggctgagac tgcagcgta 60

atggcagtag ctgtaactgt cgttggtgca gcagctaccc ttcttgtaaa gagatccaaa 120

acttctgagt catcacaggt taataattta tctttattgt ttgtattaat tattaactca 180

gcaatatgcc agtgtgccac taaaaaatcc accttgtttt tccgtgcaag agcatgaaca 240

tctttg 246

<210> 17897
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959381H1

<400> 17897

ctttatctct gttcgacgaa attgcatct tggcatcga gaaggactcc acgcagatgt 60

ccgtgctagc tctctatggt tcaggtcttc gtgaagctcg tgaactacca gcacctcatg 120

cccacgcgct acacgctcga cgtggatcta aaggacgctg ttacccccga tgttctagcc 180

accaaggaca agaaggttac cgctctcaag gagaccaaga agcgccctcga ggagaggttc 240

aagaccggca agaatagggtg gttcttc

267

<210> 17898

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700959382H1

<400> 17898

ctcatcaaaa tgaatctgta ccactcctcc accaccacca ccacctacac catcttcacc 60

gtcatattcc tctccttgcc aatattattc actctcacac cccacaaggc caacggtgcc 120

acgtgtcacc ctgaggaaga agcgggcctg ttgggcttca aatccggtat ccgatccgac 180

ccgtccggcc tgctcagtaa ctggatatcg ggtacggact gctgcacatg gaccggagta 240

gaatg 245

<210> 17899

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700959384H1

<400> 17899

ctcaccttct atctgccaat tctcttctat taataacacc cacctctttg gttcctcttc 60

ccttcaattc atcac 75

<210> 17900

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959385H1

<400> 17900

gttgaagact ttttcttgct tctcaaatt attgggaact taatctggca tatcaattgc 60

aaaccactca gaaaactata ttttattgga atcactctgg tcagacttct tctcacata 120

tatgactagc attcgagctc cagtttcaaa tcttacttt tatgaggaat ctgaatttgc 180

caatcctaatt ttggattttt actcaaaatt tggggatatt gccattcctg tgactgctat 240

002220"ETFE560

cgttcttg

248

<210> 17901
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700959386H1

<400> 17901

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caagtctcaa gagatttcat catggctcca aagaaggaca aggctccacc accttctctc 120
aagcccgcc aatctggcgg tggcaagcag aagaagaaga agtggagcaa gggaaagcaa 180
aaggagaagg tgaataacat ggtgctgttt gatcagggca cctatgataa gctcctttct 240
gaagctccca 250

<210> 17902
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700959388H1

<400> 17902

tgtttttcta aaaccttggt tgggagtttt tgaataacta aaatcatgag gtaggctatc 60
cagattttat ggataaagga aatcttttagc tgaatgttat ccatcattga agcggcattt 120
ggcatggtag aaacggaaag aacgtgattg cttttttttt ttttttctgt tttggaaaaa 180
ttgtccatgt attgaccccc tgactgtttg atttgacgtt ttgttttttt gggatatcgac 240
agagaaga 248

<210> 17903
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700959389H1

<400> 17903

ctcttggcat cttgtgttgt gtccctcttt taagctatct ctttctctta acacaattgg 60

0959113-032200

ttgtgccaat tgccatagtc accaaccaat taacaaagggt atatatatca tcatatcatc 120
 accaaatgaa aaatattggg ttgttttttc ttgtgggtggg ggctactttt gtggtggcag 180
 ccacagctgg tagctttttac caagactttg aaataacgtg ggggtggtag cgtgccaaaa 240
 tct 243

<210> 17904
 <211> 245
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959391H1
 <400> 17904

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 gcaattctca tctttcactc tctagattct catctatctt tcttccaacc tcttctcttc 120
 tatacccttc agaaaaaaat aaaatagaaa ccatagcttc agattattct agctcttcat 180
 tttttttcct tgttcaatat tatgctgtaa aattctcaaa ctacacagttt cagttcagcc 240
 acatt 245

<210> 17905
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959392H1
 <400> 17905

cgaccgagta attttcatct atgaattgat gtatagggtg aaattaatgt acaccatgca 60
 atgtttgacg tgaataggat aaaatataat aattactgag tttatggaat tgcaactacc 120
 attctatacc agtgtcagaa atggaccaca cggtagcagc atagttataa cacttacaca 180
 tgaagatgcc aatttcaatt gcagcagtag aatccaaccg gtaatgaaat tctagaaaaa 240
 tt 242

<210> 17906
 <211> 243
 <212> DNA
 <213> Glycine max

002220"CTT2250

<223> Clone ID: 700959393H1

<400> 17906

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agcttaattc aatttctgct cacacataat ggcttgcacg ctcgctgatt cattactcct 120
attcaagggt tcttatcaga aaccagttct gaggagagac attgctgccc ggtactcccc 180
gggtatattt agtctaaaca gtaatgggct tatccagaaa aggttcaggc gtcaaaggaa 240
ttt 243

<210> 17907

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700959395H1

<400> 17907

cgggtcgacc tgggtggactc gactcgttta aaaactactc cgagggagag aatattccgg 60
tgaacgattt ccggcgatat agtcgcgact ccgccgggca taaagatggg tttctgagct 120
acggcacgaa cggcaacgtg gtgcagcaga gcttccatac ctacgccgcc ggagccaccg 180
gcggcaccgg cgagttcaag cactacgccg acgaaaccaa cgtcccgaac ctcggcttca 240
cctcct 246

<210> 17908

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700959396H1

<400> 17908

gatggaatca aggttgggcc cagtatcgaa caccagttca ttccgagctt cattgggcgg 60
tctccattgc ataaaaacag catacaggac agaactgcaa cagagaactt gtcttcattg 120
aggaataact gtgatgaaga tttgtgtgtt tcaactgcagc tgggtgacaa tgaagcaaag 180
agaaggcggt ctgaagcctc aactagtact gaggaacctc agtgaaacag attatttgca 240
taagctgg 248

<210> 17909
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959401H1

<400> 17909

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 atcaatatct catttaccga ctagctacat gtggagtcct catgttggtc ccaaaccaag 120
 tgactggggc cctttagttg atgtgttggt tattgtttct tgagccttgc atcaaagtat 180
 caaccccagg aagattttgt ccaatggatt caaaaaggac cacctccttt atattttggg 240
 tttgggagca tcctcttgaa gatcc 265

<210> 17910
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959402H1

<400> 17910

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 tgaattgaaa aacgtaactt gcaaaacaac tgctacagtt ggcgataagg cgtatgtcat 120
 tgggtggagct gatgatggaa ctttgtccat tgagttcaaa tttttgaccg tagtcttgga 180
 gaatgggttc gtcccactgt ggggggcacc aaacctgtgt cgtgcaatgg cctctcagct 240
 gtgcctttgg aagaccgaat actgattctt aagaa 275

<210> 17911
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959403H1

<400> 17911

ccgactcggg tgctatcagc gagtgagagt gagtgagtggt ttctcttgca gcaacaaggt 60
 ttagtgacac caaacagacg ggaaatgggt cgtgggggtca gtgctgggtg tggacagagt 120

002220" E T F E 560

tccttgatt atcacctttg gcatggggta cctgccagca gtgcaaattg tgctcgact 180
caaaatgcaa gtgctccttc accaccggtt gataagcaaa gtccagcacc agcaccagca 240
ccagcacctg cacctgcagc agcag 265

<210> 17912
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959404H1

<400> 17912

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gccttcgccg acgacttgaa cgtaactct tcttcactc gccagcacga acatgacgag 120
gacaacttct ctggctacgg cgctactcct ccttcaccgg aggattctcc gccgacggag 180
atgtcgccgt cgatcactcc ggcggcggt cgccggagat ctacggcttc actgattcga 240
atcgcgctta ctctcagtct ccc 263

<210> 17913
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959406H1

<400> 17913

cattttcttc ccaaccacta ctactcgctc actgcagatc tcaattgcat cgctgtccat 60
ggctaccatc gttagcatca aggcccgcca gatcttcgac agtcgtggca atccaactgt 120
cgagggtggat ttgacttgct cgatggtaca tttgccagag ctgctgttcc aagtgggtgca 180
tccactggga tttatgagge ccttgaattg agagatggag gatctgacta ccttggaag 240
ggtgtatcaa aggtgttg 259

<210> 17914
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700959368H1

<400> 17914

ggagaagaga gggatatgagc tagttgagga gggatgatgat gtacagcacc atcttacaca 60
gacaaagaaa cctaaactac ccgttttagc cagtgtgatt gtggaagctt taaaggtgga 120
tagtatgcag agactttgct catctttgga accccttctc agaaaaattg tcagtgaaga 180
agtggagcgt gctttggcaa aactcggcca tgctaaactg gctgaaagat ctccaccacc 240
aagatta 247

<210> 17915

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959407H1

<400> 17915

ggatatgttc cgtctaatac tgaaaagtat ccccttgag gcatcatctc tgccattgag 60
aatgcttttc acgcatctcc tcaaatagtt tgctcgaaag attctgttga ggaacttcgc 120
ctatgctttt ataaggactt cagccacgag attgtgctct tggatctgac attaaaatca 180
acatggttac ttctaaaaaa tcttggtccca aatatgttag cttgccggag ccggtatcag 240
tgagtaagac aggcacaatg g 261

<210> 17916

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959326H1

<400> 17916

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agttgctgca agcaatttta gtagggatca aaattcagta acaattgttg ttgatgaaga 120
tcagcaaagg cccaagagga aacagaaaga tcgtcattat attgacttgg aggcaacact 180
tgaagatcaa gaaacaggtg ctgtaaccaa tatatgtgag gataaaaactt cagaaaaaat 240
ggacgttgag gaagat 256

<210> 17917

<211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959327H1

 <400> 17917

 ggagtttctg aaagagaacc cgaacatgtg cgagtacatg gcgccatcgc tggacgtgag 60
 acaagacgta gtggtgatgg aggtgccgaa gctgggaaaa caagccgcaa cgaaagcgat 120
 taaggagtgg ggtcaaccaa agtcaaagat cacacacctt gtgttctgca ccatttcagg 180
 cgtggacatg cccggagcag attaccagct cacgaagctt ctcggcctga ggcctccgt 240
 gaagcgcctc atgatg 256

<210> 17918
 <211> 251
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959328H1

 <400> 17918

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 caggagggat ggatggtaga attgttaaca atgatgttag agtgagacat catattggtg 120
 aatcttatag gggacatcag caggaggttt gtgggctcag gtggtctccc tccggacaac 180
 aattggcaag tggaggcaac gataatgtta ttcacatag ggacagggct atggtttcct 240
 caaattcacc g 251

<210> 17919
 <211> 250
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959330H1

 <400> 17919

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 gatgatttgg tattggatgg tggtttttcc ttgctcaaat caccttcaca tgttggattt 180

acagtcacctg atatcaattc ataggtcac tccttcagaa attattatga tgaaagcgaa 240
 aggaataagt 250

<210> 17920
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959331H1
 <400> 17920

attagttacc gtttgacttg catgccagag aaccaactat tataaattac gcttaaattg 60
 aactttttatt tagacaccac aatgaatcaa ttattttaaatt tgcattgtgct gaaatttagt 120
 tttttatttag aataacgagg acagtaagga ttgattaaat taatattcta atatcatctt 180
 ataaaactga ttgagaaaac ttttaacactt tgggtgaaagc acataaatgg tttttatttat 240
 aactttgttaa gttttt 255

<210> 17921
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959332H1
 <400> 17921

ctccaccaga aagaaaatat agtgtctgga ttggaggatc aatccttgca tccttcagca 60
 ccttccaaca gatgtggatt tctaaagggtg aatatgatga gtctggccca tccattgtcc 120
 acaggaagtg cttctaactt ctaagtacaa aatatgcttc aatgggtgaaa tatttttcgc 180
 accagttgtt tttatgggtc tgtgtcatgt catgttaacg atattgccat ggataagagg 240
 tgaggaagta tcattaaa 258

<210> 17922
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700959335H1
 <400> 17922

002230 E.F.F.50

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 ggagaanact anactcactc ttttaaactc tgtgcacaaa attataatta taaattttta 120
 cattaanaat tgttcaaact tttttgactg tttgtacatg tgtacatgta cttctcgtat 180
 cgccacgtcc tagaaccaga tctcttcagc agccaacaga cacaggattt acaagaccgg 240
 tttttgctcc tta 253

<210> 17923
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959336H1

<400> 17923

cgccaccatt gccatagatc tgaaacagag atcacagtgt tagcgctttt attctccatt 60
 ggacgttccc ccgaacaccc cgcacctata atccagcacc aatccaaccc gttttcgctc 120
 ggatctagga cctcagtgtc taagtgaata aggttggggg ttgcgatggc tccgacgacg 180
 atccggaagg cgattggggg ggtgaaggac cagaccagca taggaatagc caaggtcgca 240
 agcaacatgg cgc 253

<210> 17924
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959337H1

<400> 17924

gatttgcgt tggattgagt tgcgccttta ctacgcagaa agttattctg gaagctgtca 60
 tattgactgc tgtgggtggtg attggtctga ctctatacac attttgggct gcaaggagag 120
 gccatgattt caacttcctt ggccccctct tgtttgggtg tgtgctagtt ctcatggctc 180
 ttgctctgat tcaggttctg tttccactgg gtaaattgtc cgtgatgac tatggttgct 240
 tggcagccat tatat 255

<210> 17925
 <211> 203

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959338H1

<400> 17925

agaaggccca gatgaagacg atgtatggcc tcctctcgac ctacaagttg aaccgccaat 60
 tcagatggat atcctctcag atgaaccgcg tgaggaacgg agagctctac cgtgtcatct 120
 gtgacacaag ggggtgccttt gtgcagcctg cagtttatga ggcctttggg ttgactgtgg 180
 ttgaggccat gacttatggg tta 203

<210> 17926
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959340H1

<400> 17926

cagaaacaca aaatggctga gcagaggcaa aacaacgtcc acgttcttgt tctgccatac 60
 cctgccccaa ggcacatcaa cccctcctc caattcgcaa aaagattagc ttcaaagggc 120
 gttaaagcca cagttgccac cactcactac actgcccact ccatcaattc tcccaacatc 180
 acgacctatg ccatctccga tggcttcgac caagcgggct tcgccccaaac aaacaacaac 240
 atgcagctct tcctgg 256

<210> 17927
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959341H1

<400> 17927

atataaggca taacaagaga tagatggatt ctctgaatat gttgaaaggt tatggtaaag 60
 tagaacacca cctcgaagat catcgtaacc ccaaaccxaa acctaaattc tcaaaaccct 120
 tcctcgccgc aatttcgctc ttcgcaatcc tcttccttac tctcaccttc gcattcgccc 180
 tagcatccat gctccaccac agtta 205

<210> 17928
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959345H1

<400> 17928

ccgaaacagg tttcctataa aatcccgcac gtgccgtagc agttgagctg aaaccgagaa 60
 gaagaagatg gagatgtatc agatctggag caggagaata gcgttgggag cgttcgcggt 120
 tgttctgctt ttcctatcgg cctcagcaga cgacgtcggt gtgctctctg aagataactt 180
 cgagaaggaa gttggtcagg acagaggagc tctcgttgag ttctatgctc cttggtgtgg 240
 acactgca 248

<210> 17929
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959347H1

<400> 17929

gaatggttca aaacaggata caagccaaca actttttagt aggaagagga tgtcaatgta 60
 gatgatgttg ctgctgcttt caatgattct aagggtgaatc ttgtgacaga gagagcagag 120
 agaccagtgt caatgaatgc ttatgagctc atatctaggt cacaaagttt 170

<210> 17930
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959348H1

<400> 17930

atctcaatct ggattaaggg acacagcaaa tgatggaact actcttgagg ggcatactcc 60
 gaagctgatt gttaagatcc aaaaccgaag tcgaagtcct gcacaaagtg cactgcagg 120
 ttcttctgat gatcctgcaa tcatgaacag tcgagcttca tctcctgttc ttccagagaa 180
 gcacgatcag tttgaccgct gctcaaagga aaagagtgat ttttatcgag ctaatatgg 240
 tgcagacatt tatac 255

09531113 032200

<210> 17931
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959349H1

<400> 17931

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gtgcatagcg acttccctgg cagagaaatt caagagccca agcaagcatt aagcacgttg 120
tcgcttcggt ctcgtcggac tctgtctttg ttcattggag ccgggaactg agcaatcaat 180
gactggaaag gatttggaaa ttgaaggata cacagttggg gggctgtcca ttggaggcca 240
tgaaacatgc gtcat 255

<210> 17932
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959351H1

<400> 17932

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gtgtgtattg ttgttggtca accttagctg ctgacttgc tccagctgaa acaagcaatg 120
caattgtagg agcaggtgca gaagcgccat ccattgtttt cttccctttt tcattcttac 180
tctTTTTttt ttgcctttt tcttcctttg gtccttccca tctcatcccc ccccccaaa 240
ccaattcata t 251

<210> 17933
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700959353H1

<400> 17933

aagcaataag atgaaaatga aagtgcttgt tttgtttgtt gctacagttt tggtagcata 60
tgaatgccat ggctcagact accagaagtt ccctctccaa atgaaaactg ggtttggttg 120

gcaatacagc aatgaggtgg catgtgccag ttggaggctt ggcgtggaag caaacaacgt 180
 agtcaagtgg caaactgttc ctgcagcttg cggagagtag atagctgact acgttctagg 240
 agaccaatat a 251

<210> 17934
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959355H1
 <400> 17934

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 tctcatctgg gttcattcct tttctcatgc gttgacaaaa tcttcacact ttcaaagttg 120
 gtacctgata aaacttgaaa ataaatcttc cttttttgtg tcacaaccat gggttgttgt 180
 atgagtaaaa aagggtcaga gccagaagaa cacattgttt acagacatgt tgcgggtgct 240
 ggggggtgctg gtg 253

<210> 17935
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959359H1
 <400> 17935

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 tgaaaacaac ttccccctc agaagcaaga cactcagcct ggcaaagagt acctcatgaa 120
 tccaccaccc caatacaagc agctcccaat acaagccatc aaataaactt cagggaaaga 180
 tagctgtagt aaccgggggt gattctggaa ttggacgagc cgtgtgcaac ttgttttcat 240
 tagaaggt 248

<210> 17936
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959360H1

002220"CTT550

<400> 17936
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caatccctca agagcatctt cctagtgcag aggtacaatt ggcaagataa gaagctgagc 120
aagctggggc taacaaggaa acacgaattg tcacacccct gatggaattt gttcgtcaga 180
gacgtgctgt tgacagtggg atgcaggctt catcagcggg ggcaaaagtt agcagaagat 240
cc 242

<210> 17937
<211> 246
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 700959362H1

<400> 17937
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atacaattta taanggaaaa ctcnnncaga aaatagcttg actaagatat atactctata 120
aacaattatg ctttttccat ctgggtattct gaaatagcaa ttataattta tttgtggaaa 180
gagatataaa gcaagtatta aacacatggg taggggtaag gtggagctga agaggattga 240
gaacaa 246

<210> 17938
<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: 700959363H1

<400> 17938
cggctcgagc tcgagcggaa tcggctcgat cggactcgag cggctcgagg gtcagcacag 60
cacagcactc gtcaagcatc aatcatccat cgcct 95

<210> 17939
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 700959364H1

<400> 17939

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 cttttacccc ttccccctct cctcttttct tattcatcaa aattcctctt tgggtgtcctc 180
 tccctcggtc aactccgttt actataaata tgaccactct tttcttctc ttcttcaact 240
 tcaataactca cctttgaatg gattctaatt 270

<210> 17940

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700959367H1

<400> 17940

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 ttcgcaatcc aaagcagctt cagcttccac ctctccttcc aatgtcactg tcgtcgaagc 120
 taccgttgca tttctccggc aatgccatat tcaaccgcaa ccaccaacc atgttttcta 180
 ttcgagcctc aaactcttca tccaaactcg tcttattgag ctccactatc gtcgtcacia 240
 cagcggc 247

<210> 17941

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959325H1

<400> 17941

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 gttgtgctga ggcttaattg acccttgaag catatctcgg agttttatca gagaacaaat 120
 gggatatatt ggggctcatg gtgttgcagc tctgcacaga tataaatata gtggagtaga 180
 tcattcctac gtggccaaat atgtactaca acccttttgg agtcgctttg ttaatttttt 240
 cccctatgg atgcct 256

<210> 17942
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959289H1

<400> 17942

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 tgataagata tcattgctaca tttctgatga tggagcttca atgtgtacat ttgagtcctt 120
 atcagaaact gcagagtttg ctaggaagtg ggtaccgttt tgtaagaaat tttccataga 180
 acctcgggat cttgagatgt acttcagtga gaagattgac tacctaaagg acaaagtgca 240
 acccacctt 249

<210> 17943
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959290H1

<400> 17943

ggaactttga gttgtttttc tacaccacc aattatatgt agtctttatt gtctttttgg 60
 ccctgcatgt tgggtgacttt gttttcacta tggctgctgg gggaatatatt ctctttgtgc 120
 ttgatcgatt tctgagggtc tgccaatcac gaaggacagt taatgtgatc tcatctagat 180
 gccttccatg tggcactgtg gaattgggtc tgtctaaacc tcaaagtttg agatacaatg 240
 cactaag 247

<210> 17944
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959293H1

<400> 17944

caataattat caaacctaac cagtaaaaat ggtgaccgtg gaggaaatcc gcaacgctca 60
 gcgttcccat ggaccgcgca ccattctggc ctctggcacc gccacgccgt ccaactgcgt 120

ctcccaagcc gattaccctg actactactt ccgcattacc aacaaactac acatgactga 180
 tctcaaagaa aagttcaagc gcatgtgtga aaagtccatg ataaagaagc gatacatgca 240
 cctgacgg 248

<210> 17945
 <211> 106
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959294H1

<400> 17945

gcttctgcta tctttgttgt agttgaagtc gctccctca ttcttcttctc gttgctactt 60
 ctactgggttc ttctccgat ccttcattga cgcaaätgac ttctcc 106

<210> 17946
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959301H1

<400> 17946

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 cttggctctt tcaccttcgt gctctcggtg ttctctgcag ttgttttcgt gtcccttttt 180
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 atcatgtatg gctcgccact ctcaatta 268

<210> 17947
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959302H1

<400> 17947

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 ctcttgatat ttctgatggc actcgctgca aacaaagttt ctagcagtcct tattgtgact 120

aaaagaacag ctctttgcag atcacatgaa aaacactatt tttcctacgt caacaaggat 180
 caatagaata cggttgtaa gacatagact ggaacatgga catctgaact atagatgtct 240
 ccacacacag agatca 256

<210> 17948
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959303H1
 <400> 17948

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 ccgtccacat ggaatcctgc aagcatcata ttctctgtgg acgggacccc aataagggag 120
 ttcaagaatt tggagacaaa aggggttcca ttcccaaaga gccaacccat gagaatatac 180
 tctagtcttt ggaacgctga ggattgggcc acaaggggtg ggcttgtgaa aacggattgg 240
 agcaaggccc cattcacagc c 261

<210> 17949
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959304H1
 <400> 17949

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 tcccggttta tttactgat ctgcagagaa ggcggtgct ggatgcggcc acgattgctg 120
 gtctgcaccc acttcggttg attcaggaaa tgactgccac tgccttgcc tatgggattt 180
 ataaaacgga ccttcagaa aacgatcagc tcaatgttgc gtttgttgat gttgggcatg 240
 ctagcatgca agtgtgcatt 260

<210> 17950
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959305H1

<400> 17950

ggagaaaaca aggtcctcag accaagttgt tgtcttcctc gaccagcata accctaaacc 60
accctccatg gaatccgaaa accatcagga caaacccaaa catcccttaa aagtcagagc 120
tcttaaccgt ctcagcttct caaaacccaa atcccgaatc ctagaatata actataatgt 180
cccccgcaac aaagttgctg aagagagtga cattattcaa cccacctata agttctcttc 240
caacgatgac gatgacgatg a 261

<210> 17951

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959306H1

<400> 17951

cttactacta ctttcttctt tctttctcca cctgaagtag ttctccacaa cttggaaggt 60
gatcatctcc aattttccat catggctact gagccttctg catctgatca tgcttctact 120
actgatgagc attatgtgaa gaaggaaaag gacgagtcca ttgcacaaaa gatcgcttct 180
ttagcaaatg aagatgaagt caaacatgac aatactcctt catctaagac agaagaagat 240
gtggtgaagg cagagcttgc 260

<210> 17952

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 700959307H1

<400> 17952

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accaccgttg aaacgcggtt gtttcactcc caaacctcgc tattcacgcg cgtttccgcg 120
caccgttccg aagagaagtg atttccacac aacatacgat gcacgattct ttttcaacct 180

<210> 17953

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700959308H1

<400> 17953

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gcatattttg aggagtacga ttatcgggtg aaacttctac agaaaaagca atggagagag 120
gagttgagaa ggatgagaga gatgaagaaa aaaggtaaca ctaaagaaaa tgactatggt 180
tacacggaag aagatgatca agagaatgga agtccagcag cagtgccagt tccattgcct 240
gatatggccc tgccaccatc ctttga 266

<210> 17954

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700959310H1

<400> 17954

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accattattg gctacaagag acagagtgac accaaaatcc ccggtaacac cgaatgtgac 120
ggcgttggca ttttgggcat cgcttgggcc ttcggtggca tgatcttcat ccttgtttac 180
tgactgccg gaatctctgg gggacacatc aaccctgccg tgacattcgg gttgttcctt 240
ggacgcaagg tgtcttt 257

<210> 17955

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700959311H1

<400> 17955

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caaacaccaa cctccgctga agaagtgggtg cctgctcctg cggacacgcc acccactacc 120
caatcccaag ctgaagctga agttgaagca aatgcagaaa gcatcgaaga agtgggtggcg 180
gaagcagaga aggccagag tgggttagaa gacaagattt cccaatctga agctgaagct 240
gaagctgaag ttgaagcaa 259

<210> 17956
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959313H1

<400> 17956

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 ctacacctgt tactttcaag accgttgccg ttttctccaa gaagaaggca gcaccacctc 120
 ctccaaagaa aaagcctgct gctgtatccc ccgcacatga ggaactcgcc aagtggatg 180
 gtcttgacag aaggatcttc ttgctgagg gtctcttga ccgatcagag atccccgagt 240
 acttgaccgg agaagt 256

<210> 17957
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959314H1

<400> 17957

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 ctgtgcataa acgacgtgtt aaggacgac gagctgcgtt ccatactctgg ggcgagtgga 120
 gagcgagaag gacaaggaaa cgttcgggtt ggtctgcaag cgatggcttc ggttgacagag 180
 cacggaaagg aagaaactcg ccgcacgtgc gggccccac atgctccgaa aaatggccga 240
 taggttcaca cgctta 256

<210> 17958
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959315H1

<400> 17958

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 gtgattttcg agaattagcg atgggaattg aaagaggagg cttcaaggga ttcaggagcg 120

cctggagcgt gccgccaag cegtgcgatt cctgcaagct ggctcggcg gcgcttttct 180
 gccgccccga ttccgcgttt ctctgcatcg cctgcgattc caacattcac tgctcgaaca 240
 aactcgcgtc gcgc 254

<210> 17959
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959316H1
 <400> 17959

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 tattctcttt ttaatttctt tttctttttc atggaccgca gatacagaga ctatcaccat 120
 cgtcctgctc atttggcaca tgcttctccc cctgaatact ttgtccgctt ggagaacaca 180
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 acttgtcagg tggaagagt 259

<210> 17960
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959317H1
 <400> 17960

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 atgaggatca agatgctttt gaaagggatt tcttcaggtt gaagccttat tatacagatg 180
 cctgcaatcg acttccacca tctctcagg agtaccat tctgggtctc aacctgttga 240
 gattacttgt gcagaatagg att 263

<210> 17961
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959319H1

<400> 17961
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 aagagtgtct cgctccctca ttcattgtccg atctgtacga cggaggacgg gtagttgcgt 180
 aactgccgtt aacccttcgc cgcacgggtg gcgtgggtgt ttgccttctg aaggtggtag 240
 cccttcagac ttgct 255

<210> 17962
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959320H1

<400> 17962
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 ctgattcaga ccacatcctc agaattccat tctgctgcat attccagttt ctgttttttc 180
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 tctgaatacc cgaatcc 257

<210> 17963
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 <213> Glycine max

<223> Clone ID: 700959321H1

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 tcacattgga tcaacttaac tttcacgaca ctgtcagcaa gcacgatttc atcgtcgtcg 180
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<210> 17964
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<223> Clone ID: 700959322H1

<400> 17964

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 caattccgct ttccctccca tcgggaattc ttggaacagc actagcagtg ttgtttattg 180
 ggttttttagc atgggcttat caggttattc aacctcccg cccaagata tgtggcactt 240
 ctgatggaac gcctataac 259

<210> 17965
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<223> Clone ID: 700959323H1

<400> 17965

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 caatagaaac gggatggtca tcagaagaag aaagcagcat catatcacga ttccagcaat 180
 acctgaaaat caacactgcc caaccaccc cgcgttacca cgaagccgcc gatttctga 240
 tatcccaagg taaagccctc t 261

<210> 17966
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959324H1

<400> 17966

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ggtggtgtgc cagaagctga tatgtctgcc ttcagagaat gtttgtctct atcatggaag 240
aatccttatg ttcttcgcct tg 262

<210> 17967
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959288H1

<400> 17967

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gtcgacggtg gtcggcgcggtg cattcgcatc aatggctggg tgatcgagac tcggaggcac 120
tccataactca actcttccac actccaagag tggaaacaga atctcgatac gtctcattta 180
ccagaaatgg tttttgggga aaacactttg attctaaaac acttgagcag tggcaccaac 240
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<210> 17968
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700959253H1

<400> 17968

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gttgctgatg ttgtgccttg ttaaggtttc atctgatcca aagatagaag aagaaatact 180
ggaagcagaa gaagaactgc agtttcccga taacgag 217

<210> 17969
<211> 69
<212> DNA
<213> Glycine max

<223> Clone ID: 700959254H1

<400> 17969

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69

<210> 17970
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959255H1

<400> 17970

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aactgtcgaa ctccctcttc gtattttctat cctaatagtc cccaaatcca tcaagtgcga 120
taaaagtgac cgcattgagat tgtgtccga tgcctctctt tttcagcaga tgtcagagca 180
gttcaaccag gacttgtcac tgtctggtaa gattccaacg ggccatttca aactgcctt 240
tggggttaca ggag 254

<210> 17971
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959256H1

<400> 17971

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agatggaaaa ataaaaataa catgagggaa caacaatata gatgaggctc agttaccagt 120
taccagctc cttagacaa aaataacaag ctcatgggtc ccattatctg tttcatatga 180
tacgagattc tatttgtttg agttggtttg tctgtcaatt tcagacttcc atattgaaag 240
gaaaagcact gttac 255

<210> 17972
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959257H1

<400> 17972

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tctgaatatt tccaattcaa cattttccaa atggcatcct cgtcctctat gatctcaaac 120
 ccggttccga acacggaccg gtcacgtgac gcgaaacgga ggaagaagaa agcgcagctg 180
 aggcagcagc aacaacggca agaggatcag agcaatccca agtggaatc ccaagcgac 240
 aacaaatcta ctcc 254

<210> 17973
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959258H1

<400> 17973

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 cctccaacaa ctgatacata caatctcctt tccttcgtgt tggacaacaa caatggcggc 120
 gaaatctagt tcgagttcga caacaaacgt ggtgactctg aaggcggcgt gggttctccc 180
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<210> 17974
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959260H1

<400> 17974

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 ttacttaga atctgaactc aactcgccgg agccaacaca tctcgccgga atattcctcc 120
 gggaaatggg gtttctgaaa aactactgag aattaacaaa aaatgggcga cgaagaagta 180
 ttcgccggag cttcgggtct ccggcgagcg gtggagctaa tcttttccgt gctctcactc 240
 tcgcactcga t 251

<210> 17975
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959262H1

<400> 17975

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acgctcaccg gaaaaacgat tactctggag gtggagagtt ctgatacgat cgataacgtg 120
aaggcaaaga ttcaggataa ggaggggatt ccaccggatc agcagcgtct tatcttcgca 180
gggaagcagc ttgaggatgg acgcacgctt gcagattata atattcagaa ggagtccacg 240
cttcaccttg tc 252

<210> 17976

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959265H1

<400> 17976

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cctttcatct ccaaagggat ccacaggccg aaggagaaat ggggctgaca ttcacaaagc 120
ttttcagtcg gcttttcgcg aagaaggaaa tgcgaattct gatggttggt cttgatgctg 180
ctggttaagac cactatcctg tacaagctca agctcggaga gatcgttacc acaattccta 240
ccatcggggtt caatggttgag a 261

<210> 17977

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959266H1

<400> 17977

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tagctgtgat gtagtaggtg gtactattag cggttactt acgacacgac acccttctgt 120
tggtactcga gccttgatg tctctgattt ggcattccact taaagggaga cataattcat 180
caagggggat ctatgcatcc cataatatct ccttaaagt actactttat gtaatattat 240
atacgcttct gtacgtgac 259

002220 "E" 56

<210> 17978
<211> 80
<212> DNA
<213> Glycine max

<223> Clone ID: 700959267H1

<400> 17978

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aacctaacc ttagctattc 80

<210> 17979
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959268H1

<400> 17979

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agactgttct ttctaattta agttaccatc tttagctgca ttcgtgtcac gtccttttga 180
atgcccgta cctcaggaaa agcaaagggc atcatattac tatgaaggca ctaattcttg 240
ttggagggtt tggaa 255

<210> 17980
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700959269H1

<400> 17980

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tccgatctgc gactttctat ttctccctca acacaacacg agacacaatg ttctctttg 120
actggttcta tggcattctc gcttccctcg gtctctggca gaaagaagcc aaaattctct 180
tccttgggtct cgataatgcc ggcaaaacca cctccttca catgctcaaa gacgagagat 240
tagttcagca ccag 254

<210> 17984
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959275H1

<400> 17984

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 gtcggcgaag agtagtagta gttattctga gataggattt gacataacca cgcgagagga 180
 agacgaagag caatcgtggt ggaacacgtt taagcgcgtg gctgggaacg cattggaaat 240
 gggtcgctc 249

<210> 17985
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959276H1

<400> 17985

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 gcaaagcaaa cccaatcaat aataatacca agaaccaatg ccgtgtgggt tgtggctcgtc 180
 ctcatgactc atgtgagtca tgggggtatg ttaaaaatgt taatgtgcta tttcactttc 240
 ttctttccca 250

<210> 17986
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959277H1

<400> 17986

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 cttccccatc cttggctggc aaggccgtga agctggggcc atcagcccc gaagtcggga 120
 gggtcagcat gaggaagacc gtcaccaagc aggcctcttc cggaagccca tggtagggc 180

00220" E F F E S D

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agttcccagg t 251

<210> 17987
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700959278H1

<400> 17987

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gatccatgga tctccgatcg ggaaaccgta tccaagctcc gcggttagtc tgcgtctttt 120
ggacttttaa aacttagcga actgaaacat cttagtagct aaaggaaggg aaaagcaaatt 180
acagaaaaaa agagtcaagc ggcgagcaat ggcgacatcg ctggtgcat cggtttttct 240
tcgaagcgc 249

<210> 17988
<211> 214
<212> DNA
<213> Glycine max

<223> Clone ID: 700959279H1

<400> 17988

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cggtcgatgc tcccttttcc gcagcagaac agattagggg tagggtttca tcggaggaca 180
acgcggcacc cgcacccctcc accgccgatc gctt 214

<210> 17989
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700959280H1

<400> 17989

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atagcgagtg tgactcgggt tccactcatg tgagcctggt attgtattag tttctgtttc 120
 agatactctc tagtctttgt tgtttcgggtg tgattaaatg tatcttagtt gattgttgct 180
 cgcaacaatt aatcacgtat ttgatataat aattccaagc tactttgatt gttgc 235

<210> 17990
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959281H1

<400> 17990

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 ttgaattttt attttctctt gttttcgttt cttttcgaca ttttcttctt cttcttctgc 180
 ttcggtgttt tcagggagat agggatagga gtaacaaagg gagagtgcaa tcagtttggt 240
 tcttcgcttc gggactcg 258

<210> 17991
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959282H1

<400> 17991

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 ttccgctttt caagtttgcc actttcgctc gaattctcga gaaagcaaag tattttaaat 180
 ttgtggagag gcttgtaatg ctgaatgttg ttgccaaacca gtggagtagg gatgaattct 240
 gcaatggatg atatga 256

<210> 17992
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959284H1

<400> 17992

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 cttggagttt acaaagctca aaaataatca ggaaggaatt gaccctgata atgtctattc 180
 tcaggttccc tatgagaaag gttttcagtt cttatggcgc attgagcgc acggttgggag 240
 acctgcattt gat 253

<210> 17993

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700959285H1

<400> 17993

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 caagaatcca aagcaac 77

<210> 17994

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700959287H1

<400> 17994

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 ggcagccaca gctggtagct tttaaccaaga ctttgaaata acatgggggtg gtgagcgtgc 180
 caaaatctat gaaaatggaa atcttctcac cctctcccta gacagagcct ctggctctgg 240
 ctttcgttcc 250

<210> 17995

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700959250H1

<400> 17995

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 ttcatgggtca acaacttcca aacctctagt tctggacctt gtccatatac ccttatttga 180
 ccccttggtat gttaactcct atctccatat atgaaagggtt atttgggctt accttatata 240
 ataagcggtt gcatttttg 259

<210> 17996

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959209H1

<400> 17996

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 ctcagaagaa gaaggatcga tgtgggcagc ttcttgacctg gcgtcatgct gcgcggcctg 180
 cgcatgcgac gcctgcagga ccgtcgatc gggaatcagc cgccgttccg ccaggatcgc 240
 ctactgcggc ctcttcgcct 260

<210> 17997

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 700959211H1

<400> 17997

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 cattgagggg atcacagt 138

<210> 17998

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959213H1

<400> 17998

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 tcgttccttc aggaagaaca ttgcaagtgg aagcacttct aagttgcctt ctgggtccca 120
 ccagcaacat caaaatgttg ttccatacaa ggttgctagc caaaaaccta ctgacaaatc 180
 tggtaaaggc ttgtttgtga agatcaatat ggatggtgtc cccattggga gaaaagtga 240
 catcaatgct tatga 255

<210> 17999

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959214H1

<400> 17999

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 ctactctaaa agctgcccaa aagctgaaga gatcatcaag gaacaagtca cacaactata 180
 taaccagcat ggaaacactg ccgtttcgtg agtcagaaat ctcttccacg attgcgtggt 240
 taagtcatgc gatgca 256

<210> 18000

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959215H1

<400> 18000

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 caagcacggg aagaagtact gcgacaaagg atgggaatgt aagggtggt caatttactg 180
 ttgtaacctc accattaccg attatttcca gacctaccag ttcgagaatc tgttctccaa 240
 gcggaactcg ccggtg 256

<210> 18001
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959216H1

<400> 18001

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 agcctcaaga agaagaagaa gaagcccagag aaggaccacc agggcccgtc caagcccaag 120
 gacaagaagg acgtcttttg ggccccgcg cctctcacct ccaagtcatt ggccgatgtt 180
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 gcgcccagcg tcactcaaaa cgacgc 266

<210> 18002
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959217H1

<400> 18002

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 tactgctcgt aagccctgga ttgctgttgg gatgcgaaat gttgactata agagagcccc 180
 tcatttcgaa gttgatttgt ctgctttccg gaatgtactt gagatcgaca aagaacggat 240
 gattgcaaga gttgagcccc tagt 264

<210> 18003
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959220H1

<400> 18003

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cgaagagatg gtggaatcaa tgaagaacgt tgcgaatctc gacgttgaac tgactgtgga 180
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 aggatcctgt cttccattga 260

<210> 18004
 <211> 84
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959222H1
 <400> 18004

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 gagactgaaa acatcacggc caac 84

<210> 18005
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959225H1
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 cttggctccc atactcgttg gcgtcgacgt taggaatcaa gctgatgttg atgctattat 120
 gcaggaaatt gatggaactc ctaacaaatc aaaactaggg gctaatagcaa tattgggagt 180
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 ccaggagatt tcaggaa 257

<210> 18006
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959228H1
 <400> 18006

aatcacacca ctcatcttac aatttacgag aagagttgtt tactcaacct tatgatatag 60
 ttaattggaa taaagcgcgt caccaatgtg taaatcaaga tctttactat ccccatcctt 120

002220" ETTT E56

tgatacaaga cctaatatgg gatagtttat acatattcac tgaaccgcta cttactcggt 180
ggcctttcaa caagttgatt agagaaaagg cccttcaagt aactatgaaa catattcatt 240
atgaagatga gactag 256

<210> 18007
<211> 114
<212> DNA
<213> Glycine max

<223> Clone ID: 700959229H1

<400> 18007

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gactatgggtg gttatgcaga agaattgtgtt ggatatcaac agcatcacca gtgt 114

<210> 18008
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959230H1

<400> 18008

ctgcaacagt tatttttagtg tgaagggtgca gccatagctc agtcacttaa ttcattcggt 60
atagtttagtg tgaatgacaa acagatttac attcagttga aaatctcatt ataattgtgca 120
ctttggcaac aatataagca gaaagcatga tgactacaaa agtgagttcc gacaacttcc 180
aatccttcga caaatgcac acagttttga attcatgcta tactacacca ggacaaattt 240
gttttgaaat ctctg 255

<210> 18009
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700959231H1

<400> 18009

gaaacaacct tttccatgtg ttcagttcat tggaggggat ggaggagatg ttggatttta 60
catgtttaga tcagagaatg atgctaagaa aatgacaggg tctagagaga ccattcatgt 120

tccaaatggt gagcttctga gggtcacata tgaagtggag tctttgatgt tcccttctaa 180
 ccggaagatg atcaagtctt tgtcattgga agcatcaggc tcagatcggg ttccagttat 240
 tgatgttgca cgatgcacgc c 261

<210> 18010
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959233H1

<400> 18010

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 acagttggca aaggcaaagg ctgctcctga tataaatcct aacttaatag aaataacaga 120
 gagagttgta attaaagaaa agcccaagga ccaaattcca gagattgagt ggtgggatgt 180
 gcctcttctg cattctggaa attatggtga tgttgataat ggaatcatag gcgaagataa 240
 actgaaaata gaaaaaatca attttt 266

<210> 18011
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959234H1

<400> 18011

tatagcctct gctccccctt tgctgggtcc ttcaatctca cttggggaac ctccgtgcat 60
 taacccaaaa gagttcatgg acccttaatt aaaaaatatt ttgcctagaa ccaaaacctg 120
 cccttactct ataacattta ccaaccggga attcttctctg gacgttttgt tttttgatcc 180
 tagacacttg gaagaagaat gagttgtttt ccttttttca aagactaaga gaaccaacag 240
 caagaggggag cagcaaggca ttat 264

<210> 18012
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959235H1

002250" E T F 560

<400> 18012

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atttcgagtc caaggccgac gccggagcct ccaaaaccta ccttcaccaa gccggtacca 120
tccgcaagaa cggctacatc gtcacaaag gccgcccctg caaggttgtg gaagtttcga 180
cttccaaaac tggaaagcac ggtcacgcta agtgtcactt tgttggaatt gatattttca 240
ctgccaagaa acttgagga 259

<210> 18013

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700959237H1

<400> 18013

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cgcccacctc tactgcattt agcattccag gctttggata agttcggttac tgagatagat 120
cgcttccctg ttgctgggtc agaggatgat gcacagaaac ttatatctat tgccagtaat 180
attaatggta gcttaggtga tggaagattg gaagatgtga atccaaaact tctacagcaa 240
tttgcccttag gcgctagg 258

<210> 18014

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959238H1

<400> 18014

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cgccttactg ctagtgaaag tgtggctaaa ttgcctgatg agccatacta caaggaccca 120
agacttagac catatatatt ctatgacatc agacatgggc gcgagtctca cagaggtgga 180
tcagtgtctt atcaaaacat acatgaagca caattttgtc tccgactgta tgagcatgtt 240
cagaaaacag tgaagtcttt g 261

002220" ETTES60

<210> 18015
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959239H1

<400> 18015

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ctaattgata tgctgggtct gcaaattcat tatgcagcac ttgctatatt cacaagagcc 120
gctttgttag atggattgag tacgacggtc tttgtagtgt acaggcaagg catagccact 180
tgggcattgg cgcctatggt tttctctcct aagcggagac aatcagtgaag agactctttg 240
ggattcagga gct 253

<210> 18016
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959240H1

<400> 18016

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gtttcctgac atgctcaaga aggccgacct gcacaaatta caatcagaaa tcttgacgtg 120
tctcccttcc atgcctgatt tgcacatact cagggaggga atctcaagtt ggcatattaa 180
agaatatctg tacaattggt tgccagtaag atttccagt agcaatcata ctgatgcatg 240
tgttctgcat agtgt 255

<210> 18017
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700959241H1

<400> 18017

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tttgagtttg agcacaagcc aggttgagag atggagggaa gtatccggtg ctctgccaac 120
tacgttcctc tcaactcaat cagcttcttg gaccgcgccg ccgtcgttta ccgcgacaga 180

ctttctcttg tctccggtga cgttacctac acgtggaccc agacacacca acgctgcatc 240
aaacttgctt cttcc 255

<210> 18018
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959243H1

<400> 18018

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ggagttcatt cctcgatatg aaagaggtct cgagcaacgc cgtgaagaag aaagaaaaga 120
ggattttaat acttctaatt ttcaaccgat tttgcaaact aaagaaccag tggaagaaca 180
atntagaaag ctttacactc ttactgtttt caaaatattt caaaaagagc ttttgagtg 240
ctttagctat ctt 253

<210> 18019
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700959245H1

<400> 18019

tatagcttca tccccaaaag ctcttttctt tctaaatttg attccttagt tcagcattct 60
attattatat atgggttctt caccttcttc agaaaacaaa aacctagagg gagtagctgg 120
tggtgccgga gagaaaccca ttccacttgg tgagaacgta ctgcagaagc atgctgcatt 180
ctttgacttg aataaagatg gtgtcatata cccatgggag acttttaaag ggttgcgatga 240
aatcgggact ggg 253

<210> 18020
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959248H1

<400> 18020

gcaacccatc ctgcccgaga agacggcgag acgcggggtt aagattaaac ttcaacccga 60
 acttctcgag gatgttggac aaaccactca caatgtcaag ggtgatgcca gtgagtttct 120
 gaacattgtc caaggtctcg gtatgaaact gtccttgat cttcttctca cttcttttgc 180
 catcgtcaaa accctccatg caggcctgtt ggtacgagat aacagcgctg agccagttct 240
 tgaagtcagc ctgttggtta tg 262

<210> 18021
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959208H1

<400> 18021

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 gagagggtcc agtgggtgtt ttctccacg gcttccctga gctctggtac tcatggcgcc 120
 atcagattct ctctctcagc tccctcggct accgcgccgt cgctcccgat ctccgtggct 180
 acggtgacac cgaagcacca cttcaatca gcagctacaa ctgcttcac atagtgggtg 240
 atctcgttgc gcttattga 259

<210> 18022
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959166H1

<400> 18022

tgatcaaggc cacgttcttg aggcgtgtaa agacagtctc aagaagcttc agttaacgta 60
 tctagattta tatcttggtc actttcctgt tgccgtaagg catactgggg ttgctaatac 120
 ttctagtc 128

<210> 18023
 <211> 75
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959167H1

002260" E.F.F.560

<400> 18023

atcggttcttc catcatgggtt ggcagaccgg tgaagcggcg gagcaaattg ttgcagagat 60

tccatacaag atacg 75

<210> 18024

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700959168H1

<400> 18024

ggaaaactgt cttgggttgac aacgttgatt. tcttgggaaga actgaagtga agagcaagct 60

ttatatgaaa taagtagtcc tgctgctttt gtatgaataa gttgtctcgc attttatcat 120

tgtgcggttt gtatcagtac cagtcacaa cttgttttct tgcttttatg agttcttttg 180

ttgacttaaa accgcaattg aaacctcatt ctgcatgcta cctatgatta at 232

<210> 18025

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700959169H1

<400> 18025

aaccattgaa gccaaatttt ctctctcttc ttctctcttc tgtctctttt cttttccttc 60

tctcaatcat tctctgctac ttttactct ctggggtcag ggccaatcat tgccacgctc 120

ttgctctgca cccttctctc catctctcta 150

<210> 18026

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700959170H1

<400> 18026

gggaaagtct ttataaggcg gtaagactca ccgttaccac acgaaatgaa ttacagttgc 60

cattctcatc ctctctgtc tctctctctc caccattgcc atggatcctt acaagctccg 120

gccatccagc gccttcaatt ctcccttctg gactacaaat tctggtgctc ctgtttggaa 180
 caacaactcc tctttaaccg ttggagctag aggtccaatt ctgcttgagg 230

<210> 18027
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959171H1

<400> 18027

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 gcccttggtg ttggtttgta gcttttgctg aaatctagca ataatgaaga aggttattgg 120
 tcaaactgtt agggacctta aaagagaagt aaataagaaa gtgctgaaag ttcctgggat 180
 tgaacagaag gttcttgatg ctaccagcaa tgaaccatgg ggtcctcatg ga 232

<210> 18028
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959172H1

<400> 18028

ctgatctaag atatgtctac atctgataag tcagaagtgg tggaaagggg tgctaaggat 60
 gatgaaaagc caaaggaaga acatgagaag ggtggatttc ttgatacagt gaaggatttc 120
 attcaagaca ttggtgagaa gattgagggg gcagttgggt ttgggaagcc aactgcagat 180
 gtcactggga tacacattcc atcaattaat cttgagaagg cagagctagt tgt 233

<210> 18029
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959173H1

<400> 18029

gttgaaacat tgatcacagt ttgggctagc cattatattg agccatgtga ttcgtttggc 60
 ggattggatc ttaagcccaa ttaaaaagaa aagtttaaatt ttatattttg gaatgaaatg 120

002250" E T E 550

gaaagagctg ggttgaattt gtgttaaggt gttgctaggt gcacctaaca tttttttcaa 180

aatgtcaaag ttgtccctca tttgtgttg gtgtgcatga gaggttggtt t 231

<210> 18030
<211> 86
<212> DNA
<213> Glycine max

<223> Clone ID: 700959174H1

<400> 18030

gacatttaga gattggaatc atccgtgttc ctctctctca tctctctttc tctctgttcc 60

ctcggtttcc ttactttgaa gtttaa 86

<210> 18031
<211> 70
<212> DNA
<213> Glycine max

<223> Clone ID: 700959175H1

<400> 18031

ggcatcttgt gttgtgtcgc tcttttaagc tatttccttc tcttaacaca attggttggtg 60

ccaattgccca 70

<210> 18032
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 700959176H1

<400> 18032

gttttctaga gttcacaata gctccatcc tgctatctgg tataattttg tagggagggtg 60

gctccatgcc actataatat agactataga ataattaaac tttttttttt atgtattcat 120

agttttattc aactagtctc ttctgggtt 149

<210> 18033
<211> 118
<212> DNA
<213> Glycine max

002220"EFFE560

<223> Clone ID: 700959177H1

<400> 18033

tgggtctcca aaatttcgag gactaccagg tttgtgctat cacagtgggt gtggttggtg 60

atgtatgcag agccttggag gagaaaatac tgccttattg tgatgggata atgaccca 118

<210> 18034

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700959178H1

<400> 18034

cgaaaagact cttttgtccc tctgttccga aactgcctcc aggagtcgtt cgcggagatt 60

gaggaccagt tgagtaaaaa caccat 86

<210> 18035

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700959179H1

<400> 18035

cttctcttct tcaattcatt ctagtcttgg attccgactc gccgcatctg actcgggtccg 60

ggttggggtc gactcagttc ggtttttcat tctctcgcga atctaata taggaaaagc 120

taagggcaca tcacaatgaa ggcattgatt c 151

<210> 18036

<211> 86

<212> DNA

<213> Glycine max

<223> Clone ID: 700959181H1

<400> 18036

cgcaagaaga cattgttaat ttgagagatg gcgagttacg aggctattaa gaactttgat 60

gatgatgatg atgatgatga tgatgt 86

<210> 18037
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959182H1

<400> 18037

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agagtttcaa atttattgct tcgaatctcc agcttcgtca gggaaggaaa acagcataac 120
gtgtggtctc gggggaacca aaaactgtga aattctgaag ccactaggcc ttttaaaaac 180
caactaagg aagacggttt agacagagag tacttcaagc taagaaaat 229

<210> 18038
<211> 227
<212> DNA
<213> Glycine max

<223> Clone ID: 700959183H1

<400> 18038

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accctgctga aaatgctgca ggccatgaac accaacaccc gcgtcaccgg cgaccaccgc 120
tccccgctcc tccaggctcat cggcatcgtc cccgccctcg ccggctccga cgtctggtcc 180
aaccagggt tctattttaa cctctccgac tccgtcaact ccaccta 227

<210> 18039
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 700959184H1

<400> 18039

aaaataatca ctgaagaatc acaaaacaac tctggaagat tgcaggcca attgttattg 60
ctaatagagaa cttgaatcca aatgatacta ggcggaagac agttaattac ttgcaaaaag 120
ctgccgtggc atatggctct ggaaagcc 148

<210> 18040
<211> 230

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959185H1

<400> 18040

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 gatgatgtct ggtataagaa aatggaggcc tgcattactc ccactcctaa agttactggc 120
 gggaatctta aaccatttcc aagcaggcta tatgccattc ctcccagaat tgctagtggc 180
 ttagttcctg gactttcctc tgagacatac caggatgata acaaaaagtg 230

<210> 18041
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959186H1

<400> 18041

gatcgagata actagaaaca gtgtgatgaa aatgaaggtc cttgttttct tcgttgctac 60
 aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120
 ctatgggtgcc cgtactccgg aggtgaaatg cgcaagttgg aggcttgctg tggaagcaca 180
 caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaac 228

<210> 18042
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959187H1

<400> 18042

aatttatggt gcgcaccgag tatgactcgc caatcgcttc tctgaacaat tctggataat 60
 ttcaggaaaag gagtattttt ggagagaaaa tacagtgagc aggtacattt agaaagtaag 120
 gaggtgatatt tagcatttgg agcccagtgt tcacgaaccc aacaacaaca ataaacagag 180
 aaaaaaatta atttgccta tgtctagctt tacgacatcg ttttgctctt 230

<210> 18043
 <211> 230

00220-CTF560

<212> DNA
<213> Glycine max

<223> Clone ID: 700959189H1

<400> 18043

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atttcaagtt tcaaccttaa tccttccgaa ccaacacata aacatccaac actctcttct 120
tcttcttctc tctccgctgg ttcaattgaa cctcacaaaa cctcttttct ctctctctag 180
atctgttcaa atcccgaatc atttccgctc caatttcaat ttccccgaac 230

<210> 18044
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 700959190H1

<400> 18044

aacggagcac ctctcttcag gtcgccatct agactgcaat catggctgat ggaccacagc 60
atccatcagt tggtcagaag ctagctggac agtcttacct ggtatccagg ctaagcccca 120
actttaactc tgggaattat tcctcgactg gttcttactt caatggagga ctgcactctt 180
ctgggttggc tgttggtgcg cctggatctc cagttactgt gcatgctcc 229

<210> 18045
<211> 217
<212> DNA
<213> Glycine max

<223> Clone ID: 700959191H1

<400> 18045

cctacttcac ctcttggtta cagcccatca tccccaggct atagtccttc atcacccggg 60
tacagtccca cttcacccgg atacagcccc acgtcacccg ggtacagtcc cacgtcacct 120
gggtacagtc ccacctctcc gacttatagt cctagctctc cgggatatag tcttacaagt 180
ccagcttatt cgcctaccag tccatcctac tctccca 217

<210> 18046
<211> 206

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959192H1
 <400> 18046

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 gctccagagg atgagagtca gaggcattgt ggctctggaa gcagaagtat aaatgctgag 120
 ctgggaggag aacattgtga gaaatctgaa tgtgattctc attggggaac gggatctgta 180
 cacagacccg ttaatcctga gctgca 206

<210> 18047
 <211> 231
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959193H1
 <400> 18047

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 caagggtcac aatataaagg ggaacttggt gattatgcga aagaatgtgt tggatatcaa 120
 cagcattacc agtgtaagg gtgtcatcgg aaccggcatt aacatcattg gaggagtcgt 180
 cgacaccgtt actgctttgg cgtcccacat ctccatccag ctcatcattg c 231

<210> 18048
 <211> 154
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959165H1
 <400> 18048

ttggcatctt gtgttggtgc cctcttttaa gctatttcct tctcttaaca caattgggtg 60
 tgccaattgc catagtcacc aaccaattaa caaagggtata tatatcatca tatcatcacc 120
 aaatgacaaa tattgggttg ttttttcttg tggt 154

<210> 18049
 <211> 84
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959194H1

<400> 18049

ctttaagaag ctgcgtttgt gatattttct cctaccattt ctgagcttgt ttgaactttc 60

actcgagct tcttattctt gtga 84

<210> 18050

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700959195H1

<400> 18050

ctcctcataa tccatctctc aagtctcaac tcaactcaac cctttaacac accaaccacc 60

acaacctcaa aaatggccat tagaaaatca aacaaacttc cccaacacgc agtagttttg 120

aagcaaattcc taaagaggtg ttcgagccta 150

<210> 18051

<211> 226

<212> DNA

<213> Glycine max

<223> Clone ID: 700959202H1

<400> 18051

ctgaaacaag aacaaaaatg gagaattcga ccgaagaatc ccatctccga tcggaaaact 60

ccgtcactta cgagtccctt taccctatct acggcatgtc attctcccc tcccaccccc 120

accgcctcgc cctcggcagc ttcattgaag aatacaacaa ccgcgtcgac atcctctctt 180

tccaccctga caccctttcg gtaactcccc acccttctct ctcctt 226

<210> 18052

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959204H1

<400> 18052

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gtagaagatg agtacgctgg atgcaacaag ggctgaactt ggtcttcttg ttttatattt 120
 gggcaaggct gaagcaaggg acaaaatatg cagggaata caatatggtt ccaaattttt 180
 gagtaatggg gaacctggta ctgctcagaa tgtagacaaa acaaccagct tggcacgaaa 240
 agtcttccgt ctctttaagt ttg 263

<210> 18053
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959205H1
 <400> 18053

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 tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg tttggccaaa 120
 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtacccg aaaaccttct tctataaaga 240
 agaccttcat ccaggcaaaa 260

<210> 18054
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959207H1
 <400> 18054

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 cttttgggaa gagtggaact aatgtgaaaa cagctatttt tctgtcccc aagtttgaac 180
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<210> 18055
 <211> 94
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959119H1

<400> 18055

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tctgatagcg ctctgtgcgc gtactccgaa aggg 94

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<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 700959120H1

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ctccaaggat cgcgagaact tcgtctacat cgcc 94

<210> 18057

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700959121H1

<400> 18057

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atgtgttcaa aagagtgtat tgttggcatt tctgttgtat aattgtaaga gatttatgag 120

aaattttctg tatcttctaa gtgaattgtt ttgttgaaata attgcagaaa caatagtgt 180

ttgttgaaaa acatattctc atcataaaact gggatagggtt tgt 223

<210> 18058

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959122H1

<400> 18058

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actcaagaca tgctgtggcg gaggaagctg gaggagcagg ctgatttgca gcaagctctt 120

gagctacaaa gtaggaggct aatgggtctg caacttcttg acatcaagaa gcatcaccag 180
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<210> 18059
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 <213> Glycine max

<223> Clone ID: 700959123H1

<400> 18059

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 ccaggaggat agtaaggcca ccaaagaaag gttctgctgt tcagcgcccc cgcaccagaa 180
 cactcactgc tgtacatgag gcaatgctgg aagatattgt attgcctgct gagattgttg 240

<210> 18060
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959124H1

<400> 18060

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 atagtggtag tcggagtcga cgagtccgat gacgaggaga attgggggag agtgccccga 180
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<210> 18061
 <211> 126
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959125H1

<400> 18061

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aaacaa

126

<210> 18062
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<212> DNA
<213> Glycine max

<223> Clone ID: 700959126H1

<400> 18062

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gtatacatag gatcttgtag aggtggcaaa acagaggatt tcatggctgc agcaaaagtt 180
tttctggcat caggtaaaca ggtcaaagtt cctacatttc ttgtgcctgc aacacaaaag 240
gt 242

<210> 18063
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700959127H1

<400> 18063

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cctagtactc tataaatagc atttgcagtc accttagtct tcacaaaaat actcctcttg 120
gcatcttgtag ttgtgtccct cttttaagct atttcctt 158

<210> 18064
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700959130H1

<400> 18064

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catgagacag gctcttgcta aagatcaacc ttggaagttg aaagaatcac gtgtgctaga 180

gatattgcaa gcgatagaca gcaacacaga tgggctagtg gatttcaccg agtttgtggc 240

a 241

<210> 18065
<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 700959131H1

<400> 18065

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agaagaagcg aaacaacttc tcacgcactg tctcaatc 158

<210> 18066
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<212> DNA
<213> Glycine max

<223> Clone ID: 700959132H1

<400> 18066

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gtggcactgg ttgtggttga agtggggccc atggctgagg ctgcggtgac ttgcaaccca 180

acacagttga ctcttgtct tccggcaatt aattcaggtt ctgcaccttc gagtgcttg 239

<210> 18067
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700959133H1

<400> 18067

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cgtcgtcgat tcgatgagga agagcgtcag catgaacaac ctctcacagt acgaacatcc 180

tttagacgcc accaccacca acaacaacaa agacgccgtc gccgccggct acgcctccgc 240
cgacg 245

<210> 18068
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700959134H1

<400> 18068

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ccaggacaag gaaggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240

<210> 18069
<211> 90
<212> DNA
<213> Glycine max

<223> Clone ID: 700959135H1

<400> 18069

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cccgttcaga agcaggatca cagtcggaga 90

<210> 18070
<211> 89
<212> DNA
<213> Glycine max

<223> Clone ID: 700959137H1

<400> 18070

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tcaagtctat ttatctttcc aacaacaag 89

<210> 18071
<211> 238

<212> DNA
 <213> Glycine max

<223> Clone ID: 700959139H1

<400> 18071

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 ggaaatgatt gagcaatggc ctaaaaacca ggggattgaa ttgtcgaata ctgttcaata 180
 tattgatgag gaaggtttaa acgaagccga ccgtgagcat tttctttgtt tgcttaag 238

<210> 18072
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 <213> Glycine max

<223> Clone ID: 700959141H1

<400> 18072

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 gacgctggcg gaaagatcaa gaagggcgcc ggaggtagaa agggcgggcg cccaagaag 120
 aagccggttt caaggtccgt caaagccggt ctccaattcc ccgtcggaag aattggccgt 180
 tatttgaaga aaggaaggta cgctcagcgt gtcggtaccg gtgctcccgt atacttg 237

<210> 18073
 <211> 75
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959143H1

<400> 18073

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 accacaccat agagc 75

<210> 18074
 <211> 67
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959144H1

<400> 18074
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 caggatg 67

<210> 18075
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959146H1

<400> 18075
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 gaacggccat gaacgcgtcg ccgtttatct ggaaactaaa acgactcctc aacgtagggt 120
 cc 122

<210> 18076
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959148H1

<400> 18076
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 tgtccctgaa gactgccaca gtgactgcca ctcttctctc tccgtcggtg acgacggcga 120
 cgacaacatc gtttcgctcg cgtttcgacc tcccttgccg tttgatctca acgcgctgcc 180
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<210> 18077
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959149H1

<400> 18077
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tctcaaaatg tatccgagag tgagcagcag caagctagca ttcctccaag aggttggaac 180
tcctatgatt ccttttgctg gacaatttct gaaggagaat tcttacagag tgctga 236

<210> 18078
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 700959150H1

<400> 18078

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aaggacaatg gcaccgtttg cctg 84

<210> 18079
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: 700959151H1

<400> 18079

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tccccatag ctttaatttt catggtac 88

<210> 18080
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700959118H1

<400> 18080

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aagaaaaatg agttatccac tacctttgag attggaaagg ctgaagtaat acgtggccaa 120
gggcactgta agctttgtga caagagaatt tcttgacagaa ctgcagtagg caggtctttg 180
gtatacagac ctgcaatgct ctcaatggtg gcaatagccg ctgtctgtgt ctgtgtggcc 240
ct 242

<210> 18081
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959152H1

 <400> 18081

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 ccggcgacgg ttcaccacc gcgtttccct gctccagcgg tgccctctcc gcgtcctcca 120
 ccgcatactc ctctgctccg ggagcaaggc caccaatgcc acgtatagca tgctgccgcc 180
 ggcattgccc tctccgccgc cgccggtgag ctccgacggc gagcttggcc gtgaa 235

<210> 18082
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959154H1

 <400> 18082

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 tggaattcca aataacaatg ggaatggagg taaaagggt aataatggaa tgggtgaagg 120
 tgttcaagct atgaacatgt tcccaaacat gggtygtcat aatcctagta tgggtggggc 180
 taatatgggc cccatgaata acatgagcat ccctatgggc aacatgccca tgacc 235

<210> 18083
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 <213> Glycine max

 <223> Clone ID: 700959155H1

 <400> 18083

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 ctagtatatg gattgttgag ttgtcgcaag tacatgcggt aactcgaggt ggtcatcacc 180
 gagggaaagt aatttcatca catgttggtc ctgatgttca gcctccaatg gatgc 235

<210> 18084
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959156H1

<400> 18084

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 atataatcat aatgaatatt ttgatagtaa ctgggatgaa tctgtacagt gttaagatga 180
 tttatattga aaattatgta gaggattgct tctccacca acttctatgg taaata 236

<210> 18085
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959157H1

<400> 18085

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 ctctctctcc accataccat tacacatcac cacctcctcc ttccccagct cccgctccca 180
 agtacattta caaatcacct ccacctccag ttacatata tgcttcccca cctcca 236

<210> 18086
 <211> 89
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959158H1

<400> 18086

ttaaggaaga acattttaac aatgggttca aatctatgcc atagttctta tctccctata 60
 aataccaaat cccaatttct ttctctcca 89

<210> 18087
 <211> 119
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959162H1

<400> 18087

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agaactatga aaatatacct cattcaggcg aacggtcaga aaaggaatgc acaccaaca 119

<210> 18088

<211> 90

<212> DNA

<213> Glycine max

<223> Clone ID: 700959163H1

<400> 18088

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aatcttaaac gacaatgaac aagtttcctt 90

<210> 18089

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 700959164H1

<400> 18089

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gttgcgcaat ctgaaggaac ttggatttag agaaccaaca cctatccaaa ggcaggctat 120

accagtactt ttacaaggtc gtgaatgctt tgctt 155

<210> 18090

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700959075H1

<400> 18090

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ttaattttga gcgttaagtg ctgcaactaa tcagatccca agaccttggc ctaccttgcc 120

atacagaaaa aaaaagagca ttaaaaaggc cagggtttgg agccaccaa attagcccca 180

aggcacaagt. catggaaaga ataatggttg gaagtgcac aaaggttgct ttcaccctct 240

tgg 243

<210> 18091

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700959077H1

<400> 18091

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atgtgttcca agtgttacia ggacatgctg ttgaagcagg agcaggacaa atttgcagca 120

tcacccgttg aaaacattgt gaatggcagt tccaatggca atggaaagca ggttgtggct 180

actggtgctg ttgctgtaca agttgaagct gtggaggta agattgtctg tgctcagagt 240

tctgtggatt cgtcct 256

<210> 18092

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700959078H1

<400> 18092

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tgacgacacc atcattggta gagtctctag ttcttcaact ccatgagatc tcagctgtca 120

aatttggcaa cttcaagctc aaatctggca tcttctcacc aatctacata gacctccgcc 180

tcacatatac ttacccttct ctctccaac agatctctca aacccttatt tcttcagtct 240

cttccacttc ctttgacctc g 261

<210> 18093

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959079H1

<400> 18093

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 gtttttggcc aagttgccac caccaccttg cacaccagaa gaatcaagtg ctactcatca 180
 tcacaaaaac caccaccctc ttcttgattt tcaaattcca ctctctcctt gtgcttttca 240
 gcctcccttt tatagaactt cct 263

<210> 18094
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959080H1
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 actttactgt aacaagaggc cttttctatct caaaggctctt gaagacacaa gcatcatgga 180
 tgcatacata atgcatctct caaacatgac ttcagaacta gagactgcgt gaaaaaaaaat 240
 gattcc 246

<210> 18095
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959081H1
 <400> 18095

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 gggagtactt ttgatggata aatctgggag acgaccactt ctgctgatct ctgcatcgga 180
 aacatgctta ggatgcttcc ttgcagccct atcattcacc ttacaggacc tacataaatg 240
 gaaggttaga agtcccat 258

<210> 18096
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<212> DNA
 <213> Glycine max
 <223> Clone ID: 700959084H1
 <400> 18096
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 atgcccattct cttcaggtaa gcaataattt ctgtttgttg tttatatgtt tttttacact 120
 actttctgct ctcatactcg tttatcgatg ggtataaatt agtgtgttga aattgcaaaa 180
 cagaaaatgt aaaactggcg ttgtgatttg tggcatcgta aattgactct ttaag 235

<210> 18097
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959085H1
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 aagataaaga accattgagg aaaattcatt ttcaggttta gtgttacaaa agtaacttag 180
 aagggtcaga aaaccactgg gtggcggttca cagaattaat gccactgaag gggttttttg 240
 ctgcatatct c 251

<210> 18098
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959086H1
 <400> 18098
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 tgaatgtatt gaatccatat gtccatcagt ttttggtagg atggattact gtattggaca 180
 gtgtcccgga tattgacagc ctggctttct tctgatttt cttgatgggt tgtttaatat 240
 gttgagtga 249

<210> 18099
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959087H1

 <400> 18099

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 cttgcttagt tgcagcgga ttgctgcac gtctccaat aagagctcg tgctagtga 180
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 aacccgcaact tct 253

<210> 18100
 <211> 216
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959089H1

 <400> 18100

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 caaaaatcac aagcatgcag acttagtatt tgcagactga ttttcgtttc agatttcact 180
 taatttgaga tgttttgta aattttggga aataaa 216

<210> 18101
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700959090H1

 <400> 18101

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 ggcaaccagc ctagctccag attacaagc acaaatagat gagacgctag aagagataac 180

cccacgttgt gttttggaac ttttagcctt gcctcttgat gacgaacatc gagcgcggag 240
ggaggcaggt cttctt 256

<210> 18102
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700959091H1

<400> 18102

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cagaatcttc tcagagatca gtcgagtcaa atgctgcaa gtatctaaag ggacagtctt 180
tgaacagaag ctggaatgga tctgcggata catctgtatc cgtcaaattct cctacaaacg 240
aggaagaaga ttcttct 257

<210> 18103
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700959092H1

<400> 18103

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agctctctcc cattgcgtac aacaagtgcg aagttatgat tatcatcact atctttgcct 180
tctcgagctg cctccgtcta tgcggaaggc tgcatttgca ctccgtgcct tgaatgttga 240
aaca 244

<210> 18104
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 700959093H1

<400> 18104

ataactagaa acagtgtgat gaaaatgaag gtccttggtt tcttcgttgc tacaattttg 60
 gtagcatggc aatgccatgc gtacgatatg ttccctctcc gaatgaacac tggctatggt 120
 gcccgtactc cggaggtgaa atgcgcaagt tggaggcttg ctgtggaagc acacaacatc 180
 tttggctttg agaccattcc tgacgagtgc gttgaagcaa caaaggaata catccatggc 240
 gaacaatata gatcagact 259

<210> 18105
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959095H1

<400> 18105

cagaaaatct gaatcatgtc gtggcaagcg tacgtggatg atcacctgct gtgtgaaatc 60
 gaaggtaacc acctcactca cgccgctatt atcggccacg acggcagcgt ttgggctcag 120
 agcgccaact tccctcagtt caaagctgag gaaataactg ctatcatgaa tgactttaac 180
 gagcctggat cacttgctcc aactggattg tttctcgctg ccaccaaata catgggtcatc 240
 cagggcgagc ctggtgccgt c 261

<210> 18106
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959101H1

<400> 18106

catgaatctc ttacagaggc acatcctggt gacaatgtgg gattcaatgt taagaatggt 60
 gctgttaagg ttttgaagcg tggttatggt gcctcaaact caaaggatga ccttgcaaag 120
 gaggctgcta acttcacagc ccaagtcac atcatgaccc accctgggtca gattggaaat 180
 ggctatgccc ctgtcctcga ctgccacact tctcacattg ctgtcaagtt tgctga 236

<210> 18107
 <211> 102
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959102H1

<400> 18107

gacgatgaat ggcaaaatgg tggtaagcaa acctctgtat gtgactctag cccaacggaa 60

agaagatagg agagctagac tgcaggctca gtttgctcaa at 102

<210> 18108

<211> 108

<212> DNA

<213> Glycine max

<223> Clone ID: 700959103H1

<400> 18108

attcggtctg agaaattaac atgggaaacg tgccaaatgt ggttggttg tgtttctgtc 60

tctggaccct gttgtatcct cttgtgttct gtgcacccaa cgatgggt 108

<210> 18109

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700959105H1

<400> 18109

ggctcgaggt actcagctgg gataacaagc ttgctgggtgc tcaggttctt ctgagtcggt 60

tgaggttggt cttgagtcct gggatatccat atgaagaaat tttgaggacc tttcacaatc 120

agacaagcat aatcatgtgc tcctatctac cagttttcac aagctttaac agaaccaaaag 180

gtggcttgat tcaattaaac catggtaggc ctcagcctct ccaatatgtg gtcaatgcgg 240

<210> 18110

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700959108H1

<400> 18110

acaaattctg cccttataat acagttctgt tttctcatag tgatccatca atcaatactg 60

tgttgacagc accaactgat aaacctggag tggcattgct tgattttgtc attttccac 120

002220 032200

ccagatggct ggttgctgag catactttcc ggcctccata ttatcatcgc aattgcatga 180
 gtgaatttat gggcctcatt catggtggtt atgaggccaa ggctgatgga tttcttccc 240
 gtg 243

<210> 18111
 <211> 161
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959110H1
 <400> 18111

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 tggacactgg tggaaagatc aagaagggcg ccggaggaag aaagggcggc ggcccaaaga 120
 agaagccggt ttcaagggtc gtcaaggccg gtctccaatt c 161

<210> 18112
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959111H1
 <400> 18112

tggaagaagc agaagaaagg aatgtgaagt gtgtttgttg gacttggttg gtgtgaagaa 60
 agagagatgg gtggtgtaac ttcttctatg gcggcgaaga tggcgttttt ttccgcctag 120
 cccgccgtcg tacgaggtgg tggaggaagc ggcgacgggg gcgttggtgt tggaggcatt 180
 tcctcggcgc gagaacgtga ggggtgtgaa attcgggact cgacgtggaa gtgag 235

<210> 18113
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959112H1
 <400> 18113

cataaacgag aaattgagag agaatgtctc gtatctctac actctatctt ctgcgttaca 60
 actcctttca ggccattggc tggacgattt ccttaactaa gattttgtac aatcttctcg 120

tcactgcata catcaaagga acctatgctt ccgcccag cttaatctgt tttctgcaat 180
 gcgctgcatt cttggaagtt atacacggag ccattggcat tgtgccagc ggggttttgc 240
 ttc 243

<210> 18114
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959074H1
 <400> 18114

aaaccagaga aatctatgaa gaatcctgtg aaattgaaat tgaatgatag ctaaatacaa 60
 aaaatggatc aatcacagaa tcagagacca gcgacatcaa caaccacacc ctgcgctct 120
 ttccagttcc accccttcg tgactcaatt ttcgatctct tcaacctcta cttaggactc 180
 ggccgaaaca gtcgccagaa acccgatgac tcacttcgag acccaccgaa caagagcact 240
 atacgcgtac acgccct 257

<210> 18115
 <211> 98
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959114H1
 <400> 18115

cgctcgtcaa ccatggacga agcttcctt caccgcaagc gcttcttcgc aagtatctcc 60
 ggctttcact cctccaacg acgaatacaa aaaggcca 98

<210> 18116
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959116H1
 <400> 18116

tgatatttct gaccagagta gcgagaagat tcataggaag cagatcaagc atttgttcct 60
 tgacctattc gttgcggggc cgtggtggc cgtgaagagg ttgaaggatg tgacaatttc 120

cgagaaggaa ttttaaggaga agattgaggc ggtgggagcg atggatcacg agagtttggt 180
gcctctcagg gcttactatt tcagcagga tgagaagctc cttgtctatg attatagcc 240
catggga 247

<210> 18117
<211> 97
<212> DNA
<213> Glycine max

<223> Clone ID: 700959117H1

<400> 18117

aatcaagctg atgttactaa catcacactt aaaccaacca ctaatgcagt ttttaagcgt 60
taattagtag gctttggcct atttgtgtc ccttctt 97

<210> 18118
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700959032H1

<400> 18118

ctttgccatt atctcttccc ttgtccttct tctactata ctatattttc tctctctaatt 60
caatcatagt tctgattttc atacacttac cctgaaacct ccattctcag atcaagcttg 120
caccaaaata catacatagc tatggacaat aatactagtg cctgtgccta cccccaactt 180
gagtcagaag aagcatcttc agagcccaat cagaaactcc aacattcaag gacaaggaaa 240
tggggttgaga aaacagttgt ggcag 265

<210> 18119
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959033H1

<400> 18119

agaaaagcat ggcattgttg tccaatgttt cttttcaaca gggttaaaga agaaaaagca 60
catagaggaa tggatgcac tattaatgat gagcatgagt gcttaaagtg gcttgacacg 120

aaggaaccga attcagttgt ttatgtgtgc tttggaacta caacaaagtt aactgattct 180
 caacttgagg atattgccat tggcttagag gcttcagggc aacaattcat ctgggtcgtg 240
 aggaaaagcg aaaaagatgg 260

<210> 18120
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959034H1

<400> 18120

gagagagaga gagagagagg agagagtatt ggcgcttcac caagatgggt atttctaggg 60
 attccatgca caagaggcgt gccactggtg gcaagaaaaa ggcttggaga aagaagagaa 120
 agtatgagct tgggcgtcag gcagcaaaca ccaagttatc aagcaacaag acaatcagga 180
 ggattcgtgt tagaggtggc aatgttaaataa ggagggcatt gaggctggat actggcaatt 240
 actcatgggg tagtgaagca 260

<210> 18121
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959037H1

<400> 18121

tctttttcca aactctataa attttttagtt ccacaatacc aaaccaagct ggcagcagcc 60
 tcggcctcat ccaccatgat atcaacacca gccttatctc caagcacaag catccaaaag 120
 caccatcatt tgatgccatc catcgtgtgc tttcaaggcc ttagaccctt cactaggttc 180
 acaaccaaag tgatcagctc ctcccatgag ggttattcca aatggtggtg tcggtgttag 240
 agctgtactc atctccg 257

<210> 18122
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959038H1

<400> 18122

tgaagcgtgc gatatatggg tcctaattgc caaaattgtg aatggaggga atacgacaac 60
 atattcggag ccgacaaata agtatgcaac tcaacacatc cttccacacg gagaattcat 120
 cttcggtagg aagggcgtag atcattcagc tatgagttca tcccagtaga aggccaaagg 180
 ggcgagaaac cctacttttt cccattctta tacgaaacgt cagacataga tgagaacaat 240
 ctctaccctt ttgtgca 257

<210> 18123

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959039H1

<400> 18123

tgaaacttgc ttttgttccc gattttctca aattgctttc ggttttcggt ctgattctgc 60
 aaaatcatgg agatggagcg catcgttgaa ttccctcaca cctacatgga tcgaccccca 120
 agaaagagag cgcgtttggg ctgggacatc gctgaggccc ccaaggctca ggtaggattg 180
 ttttgtggac aagaggttga gaatatttca agctatgctc cttcagaaca tccccctagt 240
 tctctgttta aggg 254

<210> 18124

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700959042H1

<400> 18124

ttcctttgtg tgatttcatt tgactgaatt gcattaacat ttccctctt gttctttttc 60
 ttctggatcat tgttgatatg gcattggcca ttgccacca tgaaatgtga atcattcaat 120
 cccaggattt agcattagca ctagtgattg c 151

<210> 18125

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700959045H1

<400> 18125

ccatagtaat aatgatgtta atagtgaatt atcattttgt acatcaaagc aatctgcaat 60
 ggctctgca aaaaatcatg aagcttctat tcacaatgtg catactatta attcagaagg 120
 ctatttgatg gatcagctct ctcttgtcag agaggacaaa caccattctt tgagttcatc 180
 atcagggata tgtggatga tgcctcaaa aggtgtctca tctacatttc atagttcaaa 240
 tagtggacag cttgaaagg 260

<210> 18126

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700959047H1

<400> 18126

gagactgaga cagtgatatg gcgtatctga gattctcaca cgcagcacca cagccacacc 60
 tcacactagg ctttcttca ccacctcaat ttctctctat tgctgtcca aaattctctc 120
 cctcgtcttc taccatcagg tgcaaagggt ttagtagatt gatagtgaat cagaggtggt 180
 gacctgtttt tgcaacaaat cccaactctg taggtgaaa atcacccaca gaaggatcag 240
 atgtaaatga aactagcaat gctgc 265

<210> 18127

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700959048H1

<400> 18127

tgaagggcaa aatcccaa atggaatgagaa aaaatttcta taattagagt ctactctca 60
 tactcgttgt atgtatggct acgctctctc tactctcaa ctgttgagg accgtggaac 120
 ttgctcacac cagattttct tctaccttca cctccctcgg tcgcaggagt agatatagca 180
 tatgttcttt tgccaagaag tcattgaaga aatccagaag agatgtaaca gaggcagctg 240
 gagatctctt agatgataag ttt 263

<210> 18128
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959051H1

<400> 18128

ggctgataag attgcactaa agttagttgg accaggtgga tttgtagtta ctgaagctgg 60
 ttttggtgct gatattggag ctgaaaagtt tatgaacatt aagtgtcggt atagtgggtt 120
 gacacctcaa tgtgcgatta ttgtggcaac tatcagagca ctaaaaatgc atgggtggagg 180
 gcctgcagtt gttgctggaa gacctcttga ccatgcatat ttgactgaca atgttgcctt 240
 gggtgagggt ggttgtg 257

<210> 18129
 <211> 101
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959052H1

<400> 18129

gactatggaa aattactatg attctggctg gcacatgggc accagcaact gggctcaatg 60
 cagtgatcat tcttcttctt ctctctttgc agtgcccaca c 101

<210> 18130
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959053H1

<400> 18130

ggacattcct atgaatccag tggttggtct tattgtttgc cctgctgtcc acagggattt 60
 gggcccgctc tgaacttcaa tgctgaggtg aaccctcctg ctgaccatgt aaaaactttt 120
 ggggacaaaa ttggtcccta tggtgaa 147

<210> 18131
 <211> 254

<400> 18139

gtcaattcgg agcactattc tcaatctcat catgctgtgg ggcgaaacag cattaagggc 60
 cactcaattt tcaatggccc ttgtcttttt gtgggtctag gtccaaaagg cttgttggat 120
 tctgatgcag ttaggagccc cacttc 146

<210> 18140

<211> 252

<212> DNA

<213> Glycine .max

<223> Clone ID: 700959069H1

<400> 18140

gaagaagggtg tgttggagaa tgaaaactga gacagagcca aatgaaaccg agtcagattt 60
 cagcgagttg actcgcgagt gcctcatcaa catcctctct cgactcagcg tcgaggatcg 120
 atggcgcggc accatgctcg ttgcaagtc atgggtcagc gtcttcaagg aaccctctct 180
 tcatttcgtc ttcaacctcg accctcaatt cgactcgccc accgaatcaa ctcgctgggtg 240
 gacccccgag tt 252

<210> 18141

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700959070H1

<400> 18141

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 tgtttcagaa tcatcaacca ctcaattcca ctaacactca tggccgacat gaagtcagtg 120
 gttaaatact tgcattgacct tcccacggaa atcaaaatgc gcaacaaacc ctccgtccct 180
 gagagtggct atagggcggc aatgccaaaca agtcctctat acgagggcat gggaatatat 240
 gacatgcatg cctc 254

<210> 18142

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959073H1

<400> 18142

cagaaaaaaaa aaatgtccta attgctctac accctcttat atataaagat ggtgatttta 60
atctctaggc cacaaaaatg aaccagattt gagaacatcc cttgtattga agaacaccct 120
ctttggatac ctttttggtta aagccaagac ttttctcaga tttgagaaga agaagaaggt 180
gggggaggag atagtaatag ggaaaacata tgtgagagaa aaataaagca caaacgtgag 240
gccgttggtg aaaca 255

<210> 18143

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700959031H1

<400> 18143

ctcgagccgc ttggagggtc gtagagaaca agttgagttc ttagttccaa ttatagaaca 60
acgaagaaga gcaatccaaa acccggttc agatcacacc gccacaacgt tttcctacct 120
agacacactt tttgatctca aagttgaagg gaagaaatca gcaccttctg atgcagaatt 180
ggtttcactg tgctcagagt ttctcaacgg tggcacagac acaacagcaa cagcggttga 240
gtggggcata gcacagctca tagcaaa 267

<210> 18144

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958996H1

<400> 18144

ggccaacggc tttcaagctt ttcacaggtt cggcatggat ggcaactgtca aaatctttca 60
ttgattactg catatgggga tgggacaacc tacctcgaac cgtactcatg tactattcaa 120
atttcatatc ttcccctgaa ggatacttcc acacagttat ttgcaatgca caagagttca 180
ggaacacaac tgtgaacagt gatttacatt tcatttcttg ggacaatcct cccaagcagc 240
atcct 245

<210> 18145
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 700959001H1

<400> 18145

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ctttctagtg ctactcacca aggcaaactc aaccaacacc gtttctttca ccgtcagcaa 120
gttttcccca cgccaacaaa accttatctt ccaaggagat gctgctatct caccctccgg 180
ggtgttacga ctcaccaagg ttgacagcaa cgacgtgcca acgacgggat ccctaggacg 240
tgccctttat gctgccccaa tccagatt 268

<210> 18146
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959002H1

<400> 18146

ctctcttggt cctttcccta ttcaagcatt cccatgctgc aggaatcgct atctactggg 60
gccaaaacgg tggagaaggc accttagcag aagcttgcaa cactagaaac taccaatatg 120
tgaacatagc cttcttgtec acttttggca acggccaaac tccacaactc aaccttgagc 180
gtcattgtga cccaacaac aatggctgca ctgggttgag cagtgcacac aaaacttgcc 240
aagaccttgg catcaaagtg ttgctct 267

<210> 18147
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700959003H1

<400> 18147

agctcaacta cattgagtc aaggggagga tgaagaaggg tgatagggtg tggcagatag 60
cgtttgggag tggctttaa tgcaacagtg ctgtgtggaa gtgcaacaga agcattaaga 120

caccggttga tgggccttgg gctgattgca ttgatcgta cccggtcgat attcctgaga 180
 tcgttaagct ctaggatgga gaattgttca agaacaagaa gataattgct tattttatga 240
 aaaaaaaaa tagatgagtt ctc 263

<210> 18148
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959004H1
 <400> 18148

tggtgagaga aacaggcttt gatatttcag ttgctagtga gattatggct gttttggcac 60
 tgacaacatc cttagctgat atgcgagaga ggcttgggaa aatgggttatt gggaatagca 120
 agagtgggtga ccctgtaact gctgatgac taggtgttgg aggtgcttta acagttttaa 180
 tgaaggatgc cattcacct acccttatgc agactctgga aggaactcct gttcttggtc 240
 atgcaggtcc atttgcaaat at 262

<210> 18149
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959006H1
 <400> 18149

agcttttcaa ttattcctcg aattattttg aaggaatcat ccaaactgct tgaaatattc 60
 atcatcaaca acctcacgct gttatagata ttctctctct ctctctcct ctctctctct 120
 ctcacacaca cacacacaca gatccagaca tggccgaaga acaccgatgc caagctcccg 180
 aaggtcacag actctgctcc aacaactgcg gtttctttgg tagccccgcc accatgaatc 240
 tctgttccaa atgctacaga g 261

<210> 18150
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700959009H1

<400> 18150
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 ggccctcaaag ttgactatgt gccaaagaaac tcctcagga atcactactg tggctcatgt 120
 ggttatggct gtccgaaagg agagaaacaa gggactcaag ctacatggct tgtagatgca 180
 gttgaaagag atgcagtaat aataacagga tgcaaagctg agaggttctt gttggaaagc 240
 aacaggagtg gaaatggcag aaa 263

<210> 18151
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959010H1

<400> 18151
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 gactctagtt cgagttacag tgtgggtgcat tggggagtat ggtgacatgt tagtcaatat 120
 ggtgggattg ctagacatag aagatccaat aacagtgact gagtccgatg cagttgatgt 180
 catagagatt gctatgaaac gccatgcac agatcttacc acaaaagcga tggctttgggt 240
 tgcactatta aagctctctt c 261

<210> 18152
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700959011H1

<400> 18152
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 tggggagtgt agattatgag tacccttttg gcatgaacaa ctttgagaga gtgcaccaag 120
 tcgaggttcc accgccacag ccgtacttca agtctctaaa gtactctttg aaggagactt 180
 tcttcctga tgaccctttg aggcagttca agaacaagcc agcttccaag aagttctgnt 240
 tttggccttc agttcttctt cccc 264

tgggtttcag gaaaaaagaa aaaggaaaac aatgggttcc gataatcacc agaacttgga 180
gttcttgaag gagatcggtt tgggctcttc caacattggc tcttacatta atggccagt 240
gaaagccact ggttcttctg tcacttctg 269

<210> 18156
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 700959016H1

<400> 18156

tattcaacga gaacgatgca gttagtacta ggaaagctcc atatgaggat tcttctggca 60
tattttggga taatgacagt ttatcagctt tattggcatt ggaattaaaa gctgatcttc 120
ttattttggt gagtgatgta gagggctctt atagtggccc tccaagtgat ccacgttcaa 180
aacttattca tacatacatt aagtccaagc atcaaagtga aattactttt ggagacaagt 240
ctagagtggg aagaggtgga atgactg 267

<210> 18157
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 700959017H1

<400> 18157

ctttaaacag cttgaagctt ctaattgatt attgcttcta ctaatttttt ttttagcaat 60
gtgtagtggt ttatgaagtc tctttcagtt atcgatatag attcataggt ccatgcagga 120
ctaagtgaag aagagaagat aagtatctgt agtacactga accacgagaa gctgtcagct 180
gaacttttga ggcattctac tcgaagcttg gtgtttcctt cagacgcaaa accaagagct 240
tatgttacta gacaaagccg aatg 264

<210> 18158
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700959019H1

<400> 18158

cagctcttcc agttgatgag ttgattgaga aggctgatgg atttgcagga gtatttcctg 60
 aacacaaata tgaaattgtt aagaggctgc aagagaggaa gcatatatgt ggaatgacgg 120
 gagatgggtgt aaacgatgcc cctgcattaa agaaagcaga tattggaatt gctgttgccg 180
 atgctacaga tgctgctaga agcgcttctg atattgtcct cactgaacct ggtctgagtg 240
 tcattattag tgcagtgtc 260

<210> 18159

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700959020H1

<400> 18159

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 tattctcacc atctcagtca tcggcctgct atcttgtttt aggtctaccg tcctgtgaaa 120
 atgttccaaa ggaagctctg gcatgtcaag attcctgtat acgaacaatc ttcaacgaaa 180
 cttgatttcg tctggtgcca atgaatcgta ttatgggtat tttaacagga gatcatacac 240
 ttcactttat atggg 255

<210> 18160

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700959022H1

<400> 18160

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 taacaaaagc aaaaccacga gaaatctgct gaagatgcgg agcgctgtat caagtatctc 120
 aatcaatcag ttttagaggg tcgttacatc actgttgagc gggtcacgaag aaaacgtgca 180
 agaactccaa ccccgaggca ccatcttgga ctgaaaaaca caagggagta tggctatcgt 240
 ggtgaccgag gtggtgac 258

<210> 18161

<211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959023H1

<400> 18161

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 catgaagggg cggttcatgt ttctgtcggg gctcctttgt gccacctttc atgtctcctt 120
 ctccattact gacggcttag tagcaaacgg caacttcgag ctgggtccga agccctccgc 180
 cctgaaagga actgtggtga ttggtggcag ccactcgatc ccagaatggg agatctctgg 240
 cttcgtggag tacataa 257

<210> 18162
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959024H1

<400> 18162

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 tccaaatcct ttctactttc tgctcttacg ctatttcgtc tttctataga atacgaagag 120
 aggaccttct ttccggctgt ctacgaaccc ttcttctcgt atgcaatttt ctattctttc 180
 ttttaaccaa aagagaaagg gaaaacactg gccaatcca cactttctga atgtgccatt 240
 tgaccgaatg tgaaagcgaa 260

<210> 18163
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700959025H1

<400> 18163

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 tctcttgat taagatggaa gcaactacca tcaccaatgg gagccaaaac ggttcgtttt 120
 gcttgccaa ttactaaggg aagtagtgat ccgttaaact ggggagcggc ggcagaggcg 180

atgaagggga gccacctgga cgaggtgaag cgcatggtgg ccgagtaccg ca 232

<210> 18164
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959026H1

<400> 18164

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atacagattg aagcatttca tgttttcaag ctatttgctg ccaaccaaca taagccagct 120
gatatcgtca gtatatttgt tggaacaaca gtaagatgct gagactattg gaagacttca 180
aaattgataa agaggatgaa caatttgaag ccgacaaagc tcaagtgatg agggaaattg 240
aagctcttta aacaaggg 258

<210> 18165
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700959027H1

<400> 18165

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gagactgaag caagaacatt ttctaaagct caaggctggg agactgataa tgttgaggaa 120
atagctttga agattttctca gttgccaaag gcatcggaac cacataaaag gattacggtt 180
atcacccaag gtgcagatcc tgtttgcgtt gccgaggatg gaaaagtga aatttacc 240
gtgataccgt tacctaaaga ga 262

<210> 18166
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700959028H1

<400> 18166

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ctttacctct cagaggagcc tctgagtctg ctcaggtgtt ccttgtgaag agatcctttt 120
 gtttttgagg tgtgaaggga aagataaaaa aaaaagatga atcagtggtg ttatctgcag 180
 aagaatgctt taacaatctg tgaggagatg aggatggaat cagtggtgtg ccctaaacca 240
 cgaagattgg gcctgttg 258

<210> 18167
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700959030H1
 <400> 18167

tcaaattggg ctcttgtctt cctcctcctc tctacactac tccacatata gnccagcctc 60
 tcaagcccaa gcccaagccc aagcccaagc ccgttcataa aatcctcctg cagcagcacc 120
 cagtaccag ccctctgcgt ctcctccctc tccgctctac cctccagcat ccaacaggac 180
 cctcaccaac tgggtcagac agcaactctc ctctcctga accgcaccca agccacaaaa 240
 accttcgtgg ctaactgcaa caaattca 268

<210> 18168
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 700958994H1
 <400> 18168

aagcattgca ttctgctatt caattccact acgtacacaa aacaaaaact caaagacaac 60
 aatggcacca acagccaaga ctctgactca nctggcccag gagaaaacc tagaatcgag 120
 ctctgttcgg gacgaggagg agcgtcccaa ggttgccctac aacgaattca gcgacgagat 180
 cccagtgatt tctcttgccg gaatcgacga ggtggatgga cgcagaagag agatttgtga 240
 gaa 243

<210> 18169
 <211> 243
 <212> DNA

<213> Glycine max

<223> Clone ID: 700958942H1

<400> 18169

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 caaatctcct cctccaccct ataagtatcc atctcctcca ccaccaccat acaagtaccc 120
 atcaccacca cccccagttt acaaatacaa gtctcctcct cctcctgttc attcaccacc 180
 tccccagtt tacatctatg catccccctc tcctccatat cactactagg ttatttctga 240
 aga 243

<210> 18170

<211> 100

<212> DNA

<213> Glycine max

<223> Clone ID: 700958944H1

<400> 18170

gcttcagggg tgtagatctt ctctgtttt tggagacttg agtgtttgag ctagtagttg 60
 aagttgtaca attatttggt gtctatattt ttctattaat 100

<210> 18171

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700958947H1

<400> 18171

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 gccatcacac accttcaacc agaggagtta tcctcctcac tgcttgcat taaatcccat 120
 atgtccaaat caattgacca actagcatcg gatttgaaac ccggatcaga gacccccctg 180
 tccttaacat ggtttgga aa gtgtttcggc ctcttgccct tcatacaaa ggcttttgga 240
 aagcttgt 248

<210> 18172

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958949H1

<400> 18172

gttctttctc tcgcaatctt cactacattc accggttaga taccctctct ctctctctct 60
 ggaaagcatt tgcattcaca ttgaatatgg ctgagactac acaatctaata gctgagttgt 120
 tggagtggcc taagaaagat aagcgccgct tcttgcattg tgtgtatcgt gttgggtgatc 180
 ttgatcgcac cattaagttt tatactgaat gttttgggat gaagcttttg aggaaaagag 240
 ata 243

<210> 18173

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700958951H1

<400> 18173

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 tctaattagg tggcaagata agtgtctaac cttagtaaca ttgccacata ttgtgttcatt 120
 tttggaattg tgccactaaa attctattca attcatctat ggctgcctct tcttatgcta 180
 tgcaatcaat cctggcaaac cctttgatcc gcatttccag cgggtctagg gtgaaccaa 239

<210> 18174

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958952H1

<400> 18174

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 ttgcaattct cttcatcacc ttcttcttct tcgcagatct tgtccgcgaa ggtccaccct 120
 ctggtcatct tcaacatctg cgattgctat gttcgacgcc ctgaccaagc cgaccgcgtc 180
 atcggaaccc tactcggctc cgtccttccc gacggaaccg tcgatatccg aaattcct 238

<210> 18175

<211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958953H1

 <400> 18175

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 tcttcttctt tgtatctttc ttgtgggtgc caciaagggt ttttcctatg atgaagatct 120
 caagacagtg gttcctgcac ctgctccacc agtgaaggca ccaactcctg cctctccagt 180
 gaaatcacca tcttaccctc cagggtcagt gaccacacca actgttaagg tgcc 234

<210> 18176
 <211> 225
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958954H1

 <400> 18176

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 ttattgtctt tttttttcta tatcttccat tgaacaatga cttttttact agaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agggggggggc cccgcacaag 180
 ggggtctcgcg ccccggggaa ttattgcggg ggggggctcg ggggg 225

<210> 18177
 <211> 240
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958957H1

 <400> 18177

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 acaagattgt cgctgaaggg taatcccaga ggactggagt ggacatgaat ggtgctaatt 120
 acggtgtctt attgatcatt gaaaatcccg tcacgggtaa tggagatatc tttaattgtg 180
 gataccctaa cgatgagggt acagattggc agcttgctga aatgatgact caggtttatt 240

<210> 18178

tcttatct

248

<210> 18181
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958966H1

<400> 18181

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ctcccaagcc ttccgtgacg gggaacttga atccgaggag gagtgtgtcc gggagtttga 120
attccggcat tgtgggatcc tcgaggaggg cgtggccggt tgtttcggct aggacttcgc 180
ctgctgggtc taggccgtct tctcccaggt cacataatga aagtgagggg tacaacagt 239

<210> 18182
<211> 181
<212> DNA
<213> Glycine max

<223> Clone ID: 700958967H1

<400> 18182

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ggagcttatg tagattcggg aaatgcaaag caatttgatg ggaaggtcac ggcattcgta 120
ttggttacat gctttgtggc agccatggga ggcttactct tcggttatga tcttgaata 180
a 181

<210> 18183
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: 700958969H1

<400> 18183

caaacactca cactctctct ttctttgctt cctgctgcta caatatggag cctctctctt 60
ccacacaaca taagaaacaa aaagccaagc cttcctccct 100

<210> 18184

<211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958970H1

<400> 18184

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 cgtgaaataa gggttgagttt attgatggag atagagaagc ggaagcaagt tgaagaatcc 120
 cttaacagca tgcaaagcca gtgggagaga cttaggcaac gggttatctct tataggaatt 180
 gtattgcctt cagatcttac tgctgagggg gggcagctga gttctgatcc tatgga 236

<210> 18185
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958972H1

<400> 18185

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 caaggcccta ggctacagaa ctatgtcaag aaccgttggtg tgattcgcaa cttgctccaa 120
 gttccaggca ttaaagatga tagtaaaggg gatgaagaag aggatgctat tgcaagtgga 180
 aagttggcag atatcatcaa ggaatcaatg aggggtgttct ggaattttgt tcgagcaga 239

<210> 18186
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958974H1

<400> 18186

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 gttggtgatt gaaagagaag gaagaagaag caggaaatgg aagcagtgag agctgggtcga 120
 gaaggagcaa taggtctagg tcaaggtgat ggcgtagcta aggacagcac tgagactgaa 180
 ctcacaaaaa tccgtctcct cagggaatt gttgaaaccc gtgatccctc ttccaagga 239

<210> 18187

<211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958975H1

<400> 18187

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 tgcaagggct tctaggactg agcatcagga tgctatagat gctgcaattg ttggtatgct 120
 tgctgatcca aaggaggcac gagctggtat caggagggtc cactttcttc cattcattcc 180
 tgtggagaag aggactgctc taacttacat tgattctgat ggaaattggc atcgatct 238

<210> 18188
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958978H1

<400> 18188

attagcaaag aaactccaac tccactagtg aagtacagaa aagaagaatt ggaaaatcta 60
 agaggagatg gaaaaggaga gcgcaaggaa tatgatagga tctatgatta tgatgtctat 120
 aatgatttgg gtaaccacaga caagagcaat gatctagctc gtccgtgtct tggagggcca 180
 agtgctaate catatcctcg cagggggaaga actggtagaa aaccaccacc aaaagactct 240
 a 241

<210> 18189
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958979H1

<400> 18189

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 catatttttc ttgaaaagtg atggaacctt gacgccattg gccattgagt taagtaagcc 120
 gcatcctcag ggtgaaggat atggctcctgt tagcgaagtc tacgtgcctt cgagcgaggg 180
 agttgaagct tacatttggg tactggcaaa ggcttatggt gttgtgaatg attcgtgcta 240

ccatc

245

<210> 18190
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958981H1

<400> 18190

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cttctctctc tcttcttttt tttctctttt cctctcttct ttcgtctcctt ttagggtttt 120
ctcaactctt cgatttgggg cttaaaccct ctccgattca gattcggatt tagggcttcc 180
ctttctctat tccgcctcca aagaaaaata gatctcgttg ttggttcgtc atggccaccg 240

<210> 18191
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958984H1

<400> 18191

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gccagttcat cctcactcac caaccatccc tctctattca catctcata accatagcac 120
cctacgacac atcctccact tcccactaca tcccaccct ctccaccacc ctcccttcca 180
ttactttcca caccctcccc accttegacc cccccacaaa cccttctctc ttctca 237

<210> 18192
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 700958987H1

<400> 18192

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ttgtgccaat tgccatagtc accaaccaat taacaaaggt atatatatca tcatatcatc 120
accaaataaa aaatattggg ttgttttttc ttgtgggtgg ggctactttt gtggtggcag 180

ctcacaccag ggggtgttggc agaagaggca gctaagattg cttccaccta cagtgat 237

<210> 18196
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 700958939H1

<400> 18196

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atctaaggct tcagtgtagt ctgtaatcat gtcaggcaag tatatcattt ctgctattct 120
tggatcattt ggagttgcat gggtttgtga ttattatgtt tcagacaaaa agctatttgg 180
aggttctacc cctggaacta ttacaaacaa tgagtgggca gaagagactg ac 232

<210> 18197
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700958895H1

<400> 18197

cagacacaat gggcgcgaag aagaagaatg gcaacaacaa ggagaacgaa gacaacacca 60
ccaccaccgt cgtcttgaag gtccaaatgc attgcgacgg ttgcgcttcc aaaatcatca 120
agcacctccg cgctttccaa ggtgtggaga cgggtgaaggc ggagagcgac gccgggaagg 180
tgaccgtgac cgggaaagtg gacccacga aagtgaggga caacctggcg gagaagataa 240
gg 242

<210> 18198
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958896H1

<400> 18198

aaattattgt ggaagttcaa tttagactta gaggcaattt ctgctagtag ctctgaggtc 60
ccatcaatat tagagttcct gcagcggcgg aagttggaag ctaacaaggc taaacaattg 120

cacaaattag tactctcggt aattatcttg ctaattgcta attgggcaca atggaaaagc 60
 ttcatgctgt gtgcatccca taccacagcac aaggccacat aaaccaaatg ctcaagctag 120
 caaaactcct tcattgttaga ggcttccaca tcacctttgt taacacagaa tacaaccaca 180
 aacgccttct caaatcaaga gggtctgatt cctcaatag tgtcccatca tttcaatttg 240
 aaacc 245

<210> 18202
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958904H1

<400> 18202

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 ttggcagaag atgctagggtg gtgttcatca atattctgaa aggtaaaacg attttggttt 120
 ttaatgataa tataaccatg aatctaact cagatattga acgctacaca tcaaaaataa 180
 atcgagccaa cgcatttaat tgtaagtgtc ttcattttac ctgtgtttctg tcacatcttt 240
 tt 242

<210> 18203
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958905H1

<400> 18203

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 gcttcactag cctctttctgc attctgtgcc tttccacgga ggccagtgga tgttccattc 120
 ggcagaaaact acgttcccac ttgggctttt gatcacatca aatacttcaa tggaggttct 180
 gagattcaac ttcattctga caagtacact ggtactggct tccagtccaa aggggtcat 238

<210> 18204
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958907H1

<400> 18204

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 ggaaaattaa agagatccgg tgtagaaatc tcgtttctca gtcattcttaa tctcaatgga 120
 atctattggg aaagaagaaa aaattgcttg tgtgatcggg gaccgatcaa ctagtgatgt 180
 tgttgtgagg ctacgcacac aggaaggctg agatgattgg ctgtactgcc attcagagat 240
 t 241

<210> 18205

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958909H1

<400> 18205

cctcttcttc tcagggaatg ggtggaagat ggagaaccct ctctttgatc tataaccgca 60
 taaacacttc ttcttcttcc aaacccact ttccctcctt ctaccgctcc ctctctctcg 120
 ccgccgcaac ttctgaaata cccgaccgg atccaatcgg gtccggagcc ccggaactcg 180
 acccctgcgt caaaatcccc gtcaaagctt atttctctc caccagtata aatttgaagg 240
 gcatt 245

<210> 18206

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958911H1

<400> 18206

caagaaacat attccaattc cagtatataa acctgtaaca aagccatttc cagtgtataa 60
 acctatacca aagccagttc cagttccagt gtacaagcac attccaaagc cagtgtataa 120
 gcctattcca aagccagttc cagtgtacaa gcctatacca aagccagttc cagttccagt 180
 gtctaagcct attccaaagc cagtgtacaa gcctattccg aagccagtgt ataagcctat 240
 tccaa 245

<210> 18207
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958912H1

<400> 18207

ggaaacaata ttgatggccc gaaatggaag gagcccaggt aatcaacaaa ttagatcacg 60
 caatttcttc aacgaaatgc ttacgtgtcg cacattgatt ggttgagatg acgaaagaaa 120
 agcgagactt tctcatatat ataaggacaa tccccaacat cgtttattgt gtctcactca 180
 catcacacac actctcatag ctgtagcggc gacactaaga tcggagaaag aatggcgaaa 240
 acg 243

<210> 18208
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958913H1

<400> 18208

tgctcgagcg aatcgggtca cggctcgagg attgctagaa tggaatttcg atgctcagtc 60
 atctctttta ccattcgctt ctctcttgct cttgcaggag agagccatgt ccatgcatcg 120
 ctacctgagg aagattattg ggaagctgtt tggccaaaca ctcccattcc cactgcactg 180
 cgagagcttc taaagcctct ccctgcaggt gttgaaatcg atgaactccc taagcaaatt 240
 gatga 245

<210> 18209
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958917H1

<400> 18209

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 tgaagacgag cttccccctt cgccgaaggg ccaccgatgg ttgaaaccga gatggatgca 120

gaaactgttg caaatgtggt tccaccaaag gagactccaa atagtgtttc cttttctcat 180
 cattcctcac accctcccct taatgagagg attatttcat ccatgaccag gagatctggt 240
 gctgcacacc catggcatga 260

<210> 18210
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958918H1

<400> 18210

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 aaagaagcca tgcttctttc accatgtttg caatgcttgt tggattgctc tctcagagcc 120
 ttgtcattcc tgtaatatcc accactgttg cagatcagaa gaactactac accccagatc 180
 cacatgctgg aagtcccccc acaggctcac acaatagtag tcttccatct catggccatg 240
 gga 243

<210> 18211
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958919H1

<400> 18211

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 aaggggatgg agctgttgct agaagaggca ttggaaggag cgagttgaag aacttggatc 180
 ccttcctaata gttggatcac ttctcagtat ctccccagc aggatttccc gatcatccac 240

<210> 18212
 <211> 103
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958921H1

<400> 18212

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 aaaactagaa atcaaatttg tggttgatg cactgcattg cag 103

<210> 18213
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958924H1

<400> 18213

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 ctgcagaagg tgctgaaggg aacatattgg ggcagatggc ttctgcgatg ccacaagcag 120
 taaccgtcac tcctgaggag cggcaggcaa ttgaacgtct tgaagcaatg ggttttgatc 180
 gtgcaatcgt attggaggtg tacttcgctt gtaacaaaaa tgaggaattg gctgccaaact 240
 a 241

<210> 18214
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958925H1

<400> 18214

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 ccgcacgctt tggctcctct gatctcagtt tctggttttg aattgtaggt gttggttggt 120
 tggatccgt gcaagttctg ctgtagccga tttgaaggtg aaggtgtcac cttaaagttt 180
 ctttcatggt tgatcaggct actatccatt tgggagcaac tgagctgctt ggagagtatt 240
 ttt 243

<210> 18215
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958927H1

<400> 18215

<213> Glycine max

<223> Clone ID: 700958932H1

<400> 18218

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aaaatgcctt gcagaaggta aaggaccagc ttatTTTgtc tgaatcatgc aagaagcaag   60
ctcagcaaga agctgaggag tccaaggagc aactactagc cctatctgca aaacttgaag  120
agccacaaaa acaagttctg gatctttgtt ctactggaga agctcgcgtt cttgagctcc  180
agaatatcgt agaagaacgt gatatggcat gccaatctga gcttgagtct gccataaagc  240
agctctcagt tg                                                    252

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<210> 18219

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958933H1

<400> 18219

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tccctgctta cataaccctc ggaacaggga aaacatacac cggagcttct ctttatagcg  120
gtaaaccctt gtcggattcg ccgcttctc ttgtttacgc tgggaacgcg agtaactctt  180
ctgtagggta tctatgtttg caagattctc tgattcctga gaaagtttca ggggtcaattg  240
ttatatg                                                    247

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<210> 18220

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958934H1

<400> 18220

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ggctgatact agactgtaac actcagaagt cagttgaaga gcatgggtcg tggagttagc  120
agtggtggtg gtcaaagttc cttgggttat ctttttggca gtggagaggc ccctgccgca  180
aaaccggcaa caaacaatgc cccagcccaa cctgaagtgc aggctgtaaa taatgcgcct  240

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002220"CTT"ES60

ccttc

245

<210> 18221
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700958935H1

<400> 18221

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accaacagct acaacagttt ttcccaactc cgaactaatc gaagaatatg actcgcgga 120
taaacacccg tcagaaagcc aagagcaaga agaagggtc gaagaaagag ggtggttctt 180
cttcatcttt ggcgccagaa attccagcga aggtgtggca accgggcgtg gataagttag 240
agg 243

<210> 18222
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958936H1

<400> 18222

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accacagttt gcatcttcac tttctgcaat tgctagttca tctagtagca tgcttggtga 120
gagtggaatg cgatttatgc acatagttga agagatattg gaacagctaa cgccaacggt 180
tagtttgcac ttccggaggaa atgtactgaa cagaatctta caactatttg ataaatacat 240

<210> 18223
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 700958894H1

<400> 18223

ctcacgaaaa agagaagaaa aaccagaaac cctttcccg tgaaaacatc agcctcaaac 60
cctcttcac accctcaaac cataccacc taaacaaac cctagttcct ttcacttt 118

<210> 18224
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958855H1

<400> 18224

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 ccatcagaag gcgttcattg agcatatcaa gtcacataag ccatcataca gacaatgatg 180
 atgatgctga atgtgagagt gtttcagagg ctggagacat tggagatcgt gttactattc 240
 gaa 243

<210> 18225
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958856H1

<400> 18225

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 agctactgat tcttttcatg tagagaagaa caagaaagac attatgactg atgactcttt 180
 catgattcaa gctcgatcat cagaagatcc attcaattct cagtcagcag ctgatctaag 240
 tttgg 245

<210> 18226
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958857H1

<400> 18226

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 aagaagccga aacaaattaa tgcagatcat attatggata ctcttggtta catgcctttg 120

002220" E T T E S E

gagtatgtca tgaatgggtc tgtcactgat aaatgggatg ttttctcatt tggtttggtt 180
 ctgctacgag ttgtgtgtgg aatggattat ttcataatgg cagcagagag gaaacgtatg 240
 g 241

<210> 18227
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958858H1

<400> 18227

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 cttaaaacag tttgttttgg cttagctttg gcttctctaa tcatcaaggg atgtgttcta 180
 acattctctc ttgagtggca gaagcagata tgcattctcc aaaggaggag aggctttggc 240
 t 241

<210> 18228
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958859H1

<400> 18228

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 ctccaagttc aatgggagat gaagactgta ctttctctcc actggat 107

<210> 18229
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958860H1

<400> 18229

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 cagcctgtga agatttcagc aatattatta atagtcttga tgaatgcacc gtatacaaag 120

gaacactatc cagtggagtc gagattgctg tcgattcaac tattggtgct tctgccaatg 180
attggtcaaa gaacatggag acagcctatc gcagaaagat tgctgcattg tcccgtgtta 240

<210> 18230
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958863H1

<400> 18230

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aatccccacc ccccatctct ttgttgccag ttcaggaaaa caaataaagt tctcctttga 120
aacttctctg ggctatgtta ttttgaaaga agttacttcg catcaataat gggttcaggt 180
gattggttta agacaataat tagcttaaga aaatcaaaag aaggcagatc aaagaaagca 240
aaggg 245

<210> 18231
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 700958864H1

<400> 18231

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aattggtcta cctaaagatc aaagccctcc accttacaag aaaccacatg acctaaagaa 120
ggcatggaag gttggtgttc tcaactgcggc catcaagcat atgtcccctg atattgccaa 180
aattcgcaag cttgtgaggc agtctaagtg tcttcaagac aaaatgactg caaaggaaag 240
tg 242

<210> 18232
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 700958870H1

<400> 18232

002220.F.F.550

agaaaacata ataatggggtt cacaaaattg tatggatagg aagcactatg ttctgggtgca 60
tggggcatgc catggagctt ggtggttgta taagctcaag ccacgcttgg aatctgcagg 120
ccataaggtc acagtacttg accttgcagc ttctggaacc aacatgaaga aaattgatga 180
tgttgatact ttctcagagt attctgcgcc tttgttgcag ctaatggcca caattccctc 240
aatg 245

<210> 18233
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958871H1

<400> 18233

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ccattgtcgg attcatggat agagctgcca ttactattgc actacaacaa cttaacgctt 120
ttcttggcat aaaaacattc accaagaaca ctgatattgt ttctgtcatg cactcgggtt 180
tcaatgcagc acatcatggg tagaattgca agacaatagt cattgcagta gcattcttgg 240

<210> 18234
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700958872H1

<400> 18234

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gagttagcaa aaccaagtct aaaaggacat gatgaagaag caaagttcaa aggatttttt 120
ccaaaaccaa ttcctatagt taaaccaatt ccaaagccaa ttcctattat taaacctatt 180
ccaattccag tttataagcc tattccaaaa ccaattccta ttgttaagcc tattccaaag 240
tca 243

<210> 18235
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 700958877H1

<400> 18238

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tggcggacat cacgaacacg aggaagtga gggtagtcc ttgttgaga agatttctgg 120
gaagatccac gaccacgatt cgtcatcttc gtcggattcc gacaacgaga aaaccagcgc 180
ttctgactcc ttgaagtcaa aggttttcag gcttttcggc agagaaaagc ccattcac 238

<210> 18239

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958878H1

<400> 18239

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gcagtttggg ggtggcggtt atggagggtc agataatgtg gttactgatg gagtggagct 120
ccagctacac ccgagacttg agaaacttta tatatcgaca cgtgcgggga agcattatca 180
aagggatatt gttcgagggtg tagaagggtta tattgttacc gggccaagc aagtggaaat 240
a 241

<210> 18240

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958880H1

<400> 18240

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tccaccggcg aaacctgtaa ctgttgga cgctcaacac tcgcactacg ccgatagtga 120
tggagagtgc ttttgcaagc gcctctgca ttactgacca gaggcagaag atagagcagt 180
ataagcaa atcttgctgct gtcatttcat ctaatgacat tgttcaggct aggaaattca 240
t 241

<210> 18241

<211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958882H1

<400> 18241

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 tatctgatta taatatagac acaaatgaaa acatagaagg tctgccaatt aatgacggga 120
 acgttaaagc atctcctatt gataaaaaat tgagggtctcc aatgaatgcc aatcatgatg 180
 gaattccttc ttcactatca acattccatg aatcagccat gaaatctggt aatgcagatg 240
 acttga 246

<210> 18242
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958883H1

<400> 18242

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 atagaggaat cattagcagc agaaggggtgt gtggatttgg aacaaaatgg cgagagaagc 120
 attcatittc aaggaaagcg ccttggttatc tctcagagcg ttgaagagct tgttgatggt 180
 gatatttgcg gttgctatgc tgctgctgct gccattcaga gggcggagga ggggtgccacc 240
 ggcc 244

<210> 18243
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958884H1

<400> 18243

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 ctgtaggcat gttggtgcct ccatagcagt ggctttgttt ggaagcgttg tgacagtctt 120
 gctcatttgg ctttcagctt acagcattca tagccgagtc cccaagtaga tggaaggaac 180

atggatcatg cattctgcat atttgatcat acatcttcat ttattgttta taaagttagt 240

g 241

<210> 18244
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958888H1

<400> 18244

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gagcatcttc ttccacggta ggccaaattt acgttttctg gcacgaaggg atgctgaagc 120

atgacacggg caatggcgtg ttgacacgg ggatggatcc aggcttctta gaggtgttgg 180

agaagcacc tgaaaactca gacagagtga aaacctagt gtctattctc aaaaggggt 239

<210> 18245
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958889H1

<400> 18245

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gcagtttcaa agagaggatt tgggattggg aaggcgaggg attgcgctgc gtctcttctc 120

cttctcttctc gattcatccc tcattcataa tcttccaatc caacaacctc agcctcacac 180

tcacacatac acacatctga acgcgtatcg tccctcccat ggcttcaaag cgcattcc 237

<210> 18246
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 700958890H1

<400> 18246

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aaaattcaga ttcaaaggga tgacactaca tttgacgcat atgtggttgg aaaagaggat 120

gctcctggaa ttgttgat tcaggagtgg tggggtgtgg attacgaaat taagaaccat 180

gccgtgaaga tttctcagct tggtagtggg tttaaagctc ttattccaga ttatac 237

<210> 18247
 <211> 236
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700958891H1

<400> 18247

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aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact 120

accactgggtc acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt 180

gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctgga 236

<210> 18248
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958892H1

<400> 18248

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gccaccagcc atgggtcgta tgcacagccg cggttaagggt atatcctctt ctgctttgcc 120

ctacaaaagg acacctccta gctgggtcaa gatctcttcg caagatgtcg aagaaaatat 180

ctgcaagttt gcgaagaaag gtttgacccc gtctcagatt ggtgtcattc tcagaga 237

<210> 18249
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958893H1

<400> 18249

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ggctgtggcc gttcttgga gcagtgaggg tgctactgga actattcact tcgttcagga 120

0959113-032200

gggaagtggc ccaaccaccg taactggatc ttttgctggc cttaagcctg gtctccatgg 180
 tttccatgtc catgccttgg gggacactac caatgggtgc ctctcaactg gatc 234

<210> 18250
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958854H1

<400> 18250

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 tctcgatcac cttttcgatt caacctttct ctctctgcta atctcttctg tgcctctgca 120
 catcaagggtg agggattgaa attgaatcct caagatgccg gctacagcag gaaggggttcg 180
 catgcctgcg aacaataggg ttcacagcag tgcagcgctt caaacccatg gtatatggca 240
 aagtg 245

<210> 18251
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958811H1

<400> 18251

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 aattttgttg tttggtgttt caattgttta gttttggatc ttgatatggt tggttacctt 120
 gttgactggt aatgaacatt ttgaggggtga attaggcaat ttgcattgtc gatgtgttgt 180
 tttgagttta ggccttttgt gttacgcagg ttgctgagaa gacataaaaa atggtaaaga 240
 tttgct 246

<210> 18252
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958812H1

<400> 18252

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 tgctgctcca cctcgccatc gccgctcagc gcacgcggcat caactacggc acgctcggcg 120
 acaaccttcc accgcccgcg gcgtgtccga acttcctgaa gacgaagacg accatcgacc 180
 gcgtgaagat ctacgacgtg aacccggaca tcctgcgggc cttcgccggc agcggcatct 240
 ccgtgacgg 249

<210> 18253
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958813H1

<400> 18253

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 ggacatgaag aagtaagaaa gggcagcggg tgttggtggc tcatataaaa cggccaacaa 120
 caatgcgtaa tttcttttct gctcttcaga gtcggcttca ttttgtggtt gctccctcct 180
 tttctcttcg cttggcaagt aaatgatgaa tgagcgagcg catagtgcag tgaatttaag 240
 aggaaa 246

<210> 18254
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958816H1

<400> 18254

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 ggaattgact cattttactc aaattttggg ttcttcccag atgatccatc agaagaaggg 120
 taccttctat ccactaatca caaaagtat caccaaataat ttgatgatta tggactattg 180
 gatgataacc ttcagtttga catggtatct ccaccactcc aatttgatga acaatataga 240
 accatggttc ca 252

<210> 18255
 <211> 256

<212> DNA
 <213> Glycine max

<223> Clone ID: 700958817H1

<400> 18255

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 cggatctaataaaggaat agcttaaggg cacattacaa tgaaggcatt gattctgggtt 120
 gggggatttg gaacaaggct gaggccactg aactcagtt tccctaagcc tcttggtgat 180
 ttgctaaca agcctatgat ttgcatcag atagaagccc ttaaggccat tggagtgact 240
 gagtagtgc tagcca 256

<210> 18256
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958818H1

<400> 18256

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 cttgtctgag atcctgtttt ccatctggta aaaagaaaaa gaacagcgga tcagcttatt 120
 agtctagtgc gaatctggct catgcaatca cagattctgt catgcattta tttcatgtgt 180
 tagaggttgt ttgaaatgg ataactgaat ggaacaaaag acctgaagat gagcatctgg 240
 agaacattct ttgct 256

<210> 18257
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958819H1

<400> 18257

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 ggcgataaca tcgtctaccg cgactatcgt ggtgaagctc aaaaaggaag cgctgagaca 120
 tttttccgaa aagtaaagtt ctggaaagaa gatgctgagg gagatgctcc acctgttttt 180
 aatatagacg gtgtgaacta cttccacgta aagggttgctg gattgctatt tggtgctact 240

actagagtca atgtc

255

<210> 18258
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958820H1

<400> 18258

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 aagctttttt tgttgaggtg aaagtgaat ggttggcaag gataatctga gggctgagga 120
 cttgaacttg tgctttaaga agcttatgat ggtggccggg agtggaaca gtgagaaagg 180
 ggtgaacttg aaggttgggg tgatcaccga gtggaaggat attcctgtgg agcttctgat 240
 gcaaattctg tc 252

<210> 18259
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958822H1

<400> 18259

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 attatcactg gtggtgagag tggcttaggt gcagccactg caagactctt ctctaagcat 180
 ggagcatatg tagtcatagc tgatattcaa gacgacttgg gtctctctgt tgccaaagag 240
 ttagaatctg 250

<210> 18260
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958823H1

<400> 18260

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tgagtgccac tcttccatct ttcccttgtc ccagattccc tccactcatt gcaatttctt 120
 cgatccgctt tctaaattcc acacccctcc gttcccctgc ttcgccgcga caagttacaa 180
 gaatggcttc gaagaatgct caacaagaca cgcgcttagc cagaatcgcc tctgcatcc 240
 gagtcacccc cg 252

<210> 18261
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958824H1

<400> 18261

gcagatcttc gtcaagaccc tcaccggcga gaccatcacc cttgaggtgg aaagctctga 60
 caccatcgac aacgtcaagg ccaagatcca ggacaaggaa ggaatccccc cggaccagca 120
 acgtctcatt ttcgccggaa agcaacttga ggacggcgt acccttgctg actacaacat 180
 tcagaaggag agtactcttc acctcgctct ccgtctccgt ggtggcatgc agatcttcgt 240
 taagacactc 250

<210> 18262
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958825H1

<400> 18262

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 ggttggtttt tattctttca aatacattcc aaaatctctt ggaaattgcg agattcactg 120
 cttatcctag cagcagattt tgggttctga cccaattatt cttttccccc aactgggtct 180
 tgtggatttt tctgttgggg ttttaaattt cgtgttgctg ggtttgaaag ttatttcctt 240
 tcttcccc 248

<210> 18263
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958829H1

<400> 18263

gcgaaacaat ggcgacggtg gagctctggt ggatgacgtg ctttctctaa caactgctct 60
tagaaaagag agagagaatg gcggtggagt acacatgctg ctcaacggcg ttcttcgttc 120
acatagtggg aatcgtgctg ctggtgctgt tcgcgggcct catgctgggc ctcaccttgg 180
gcctcatgtc gctcagcctc gttgatcttg aggttctcgc taagtccggc actcctcagg 240
atcg 244

<210> 18264

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958831H1

<400> 18264

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tttgcttggt ccaggctgga ccagggaaatg aatagagatg agaggctttc ggttgaagag 120
aactgagtta agcggcgaag ctaaacgcag aatcggcggc agaaattgcc accggaagca 180
cgtcgaagac ggggtgaacca aacacaaaat tccatccacc acttctcttt tcaatcccca 240
actcaaactc 250

<210> 18265

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958832H1

<400> 18265

gaaaattggt gcctatgaag ctgtgcaccc tattagcaac cttctagatc ttaagagaag 60
actgggaatt ggccgtcgtt gttttggata ttacatcca gctattcctg gtgaaccctt 120
aattttcatt gaagttgcac tactgaagga tggtgctcag actatacagg aagttttgtg 180
ggatagtctt cctatacctg aaggtgaggg aacatgtgcc ttgttctact ccatatcatc 240
aactcag 247

<210> 18266
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958833H1

<400> 18266

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 ggcagtgggg tacctgccag cagtgcaa at ggtgctcgca ctcaaatgc aagtgtcct 180
 tcaccaccgg ttgataagca aagtccagca ccagcaccag caccagcacc tgcacctgca 240
 gcagcagcag cacca 255

<210> 18267
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958835H1

<400> 18267

caagtttttc tgtggtggga ggctggtttt tggtcggat gtagcttccc tgtttcttac 60
 aacattccta attgctggac ctgcaattgc attttgtgta aagatatatc ttaaaatcaa 120
 gaagaccgat ggtcttattc atgattactg gtttctgta ttgattgtgg gttcaattct 180
 cactgttttg gatttaatat tctctctttt gacttctggg agagatcctg gaattgtccc 240
 cagaaattca ag 252

<210> 18268
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958837H1

<400> 18268

ctggagagaa gatgttcttg tcctttcttg ttctgacaga ttccttcggc tctccttgca 60
 gcttcttct agatactcaa gttggctgtc ttctggactg actgctcgca aaaaccataa 120

cacaagcact agccctgggt gtgaatgggc cgtttcagct gtcatagatg actttatttt 180
 tgttattcat gatataagat atttggagga gcaggttcat ggtgattacc ttcaacatgt 240
 gcttca 246

<210> 18269
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958838H1

<400> 18269

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 cctggctcca ttatggtcac tgccaccaat ttctgccctc caaacaatgc cttaccaaac 120
 aatgcaggag gctgggtgcaa ccttcctatg caccattttg acctctctca gcctgtcttc 180
 cttcgcattg cacaatacag agcaggaatt gtgcctgtgt cctacagaag ggtaccctgc 240
 aggagaaggg 250

<210> 18270
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958839H1

<400> 18270

accagtgcct ggcgtcgcgg acacagaaca gagcttgcag aagcgatttc tcattttctca 60
 ttcttaacaa cacacttcaa caatggccaa aaccttcaaa tacatcatcc tcggaggagg 120
 agtttccgct ggttatgcgg cgagggagtt tgccaaacag ggcgttaagc caggggagtt 180
 ggctatcatt tccaaagaag cggtagcacc ttatgaacgt cctgctctga gcaaggctta 240
 cctttttcc 249

<210> 18271
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958841H1

<400> 18271

caaactcaca gatagattag cacttagcat ttactaagat aggataaagg aaggaacact 60
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 attcgggggtt gctgctttct ttcgactcta ttgtcttctt aataaatata gaaagaaaca 180
 aaaaagaaaa aagtttatag gtgcctagaa gaacagacaa tatagtgtgg agcaattacg 240
 tttgat 246

<210> 18272

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958842H1

<400> 18272

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 acatcacttc tcacccctcc tacaacagtg cttattgtga atttggttgg gattgtggct 120
 ggtgtatcct atgccataaa cagtgggttac cagtcttggg gtccactatt tggcaagctg 180
 ttctttgcta tctgggtcat tgcccatcta taccattct tgaaggtct cttgggcagg 240
 ca 242

<210> 18273

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700958849H1

<400> 18273

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 tatctttatt agagaagaaa aagcaatttt gggattggag ttggcaggaa ttagccctgt 120
 atgatgttgc agaaatgatc aattacatta attcagtaac aaactcaaag atattttag 180
 ttgggcattc acaggggaca attatatctt ttgctgcctt cactcaaccg gagatagtag 240
 aaaaggttga gg 252

<210> 18274
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958850H1

<400> 18274

ctggaagctt gttgtgagta agggaaaggc ttcctgcact gaagaccaag ttgaaacctc 60
 ttgattcttt gcttagaatt ccacagaata tggagaagag tcttttcaat gactccccac 120
 ctttggagtt ctagggtatg agcaaggagg aggaagactc attgctaggg caagttgaaa 180
 tatggaggta catgacatgc ttcacggact ccgtggcctt gaaatccgtc atagagctgc 240
 gcatagccg 249

<210> 18275
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958852H1

<400> 18275

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 ggtaagtatg gcggacaagg ctgttacaat ccgaaccga aagttcatga ccaacaggct 120
 tctttccagg aagcagtttg tcgttgatgt tcttcatcca gggagggcaa atgtttccaa 180
 ggctgaactt aaggagaagc tagctaggat gtatgatgtg aaagacccta atactgtatt 240
 tgtcttc 247

<210> 18276
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958810H1

<400> 18276

ggaagactct gttagagaat gatcagttgt gtatagagca gaggcaaggt cgagtctttg 60
 aaggatggaa tgaagggaaa atatattttc ctccgactta taagtattca gacaattcag 120
 acagctatgc aggtgatgac agacgtcaa aacaaaagtg aagaactcca gcatggtgtg 180

atcgtatctt gtggtatgga aggggccttc accaattatc atatgttcgt ggggagtcaa 240
ggttttct 248

<210> 18277
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 700958770H1

<400> 18277

gcgcagagct ttgctggcat acccaccgtg acgaaattaa cctctctacg taacagcaca 60
cagcgatttc cccaaatcat cgaaactcca actcgcgatt cccaatcgaa accctaactc 120
gggatggcga tttgctgggc gaaattcttc aatcgctgga gctgtggctg aagctgatca 180
agaacccgca gccgcagccc tacgtaaacc ctaatctgga ccccgttttg ctggtgcccc 240
g 241

<210> 18278
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 700958772H1

<400> 18278

tgaaacttga gagagtgtcg ttgattccaa tttagcagcg aggagtgcg aatcacaatc 60
tccaccggcg aaacctgtaa ctgttggcga cgctcaacac tcgcactacg ccgatagtga 120
tggagagtgc tttgcaagcg cctctgcgat tacttaccag aggcagaaga tagagcagta 180
taagcaaata cttgctgctg tcatttcacg taatgacatt gttcaggcta ggaaattcat 240
aga 243

<210> 18279
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 700958773H1

<400> 18279

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 gtgtgtgatg cacgagtgct tggttaagcct tacaaggaga agggcaaagt ccagacaag 120
 atgctgcagc agagcaggta gatagaggag atttttcacc atgtggtact cctactggat 180
 tagatgccag agaccaccaa tttgatcttc aacttggagg cagaatgttc tacaatactc 240
 aaga 244

<210> 18280
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958774H1

<400> 18280

gaggcacaag ccaagcctcc cacagcgaag gggctatcat ataacttcta cgacaaaagc 60
 tgtcctaagc ttaaattctat cgtagatca gagctcaaaa aggtcttcaa caaggacatt 120
 gctcaagctg ctgcttgctt cgccttcact tccatgactg ctttgttcag ggttgatg 180
 ggtcagtgtt attggatgga tcagcaagtg ggccgggtga gaaagaagca ccaccaaact 240
 tg 242

<210> 18281
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958778H1

<400> 18281

atgcctccta agaacatgga ggcctgtttt tccttggtggg ggcattatta aacggcttcg 60
 ccgtcaacat tgaaatgatc atcatttgga agcccatgtt aagtgcaaat cttatcaact 120
 atggaacttc caactagaaa acggatggag aatttctttg ggtgtcggag ctgttcctgc 180
 cgtcttggtt tggtttggag ctcttttctt aggagacaca cctaattccc tgattgaaag 240
 a 241

<210> 18282
 <211> 177

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958779H1
 <400> 18282

cacaaaatga acagacttgt cttgcaaaaa cccattaatt aaaagcccta aaaagttagg 60
 ttcttatagg atttgaactt catttttagag gttcaaattt aatctttttt ttttttggtt 120
 caactcacia tatatgcaac ctacattgga gtcaaaaaaa aaaaaaaaaa aaaataa 177

<210> 18283
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958781H1
 <400> 18283

ggaaaattaa tctcccttct attttctctg catctgtact ctccaaaatg ccgtccttag 60
 aggaggagct cttcccttca accccaggca cgttcaagat cgagcgggcc caccacatga 120
 accgcegtct taccgtgtct tcgcctccac cagcaccatg ttctgtggg ccctactttt 180
 taatgcctct caccgttca tatctcagct tccaaggctt cgttgattcc ggcagccg 238

<210> 18284
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958785H1
 <400> 18284

cagactagag agagtaagag taagagaaga gatggaaaga gtagcatcag tatctcggcc 60
 actgaaaata tacttgctcc cattcttctc accggggcac ctaatccctc tgggccagct 120
 ggctcgcttg tggcggcacg agggcagcac gtgaccatca tcaccacccc cgccaacgct 180
 caactcttcg accagaacat cgacatggac accgcctccg gccaccacat ccgcgtccac 240

<210> 18285
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958787H1

<400> 18285

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 ggaggagggt tcagcatacc cggttttggg aacgggtttg gaaatggcat cataggagga 120
 ggatacggat cgggtatgga ggtccgaatg gaggtcctc taaagtggt atcattagac 180
 caaccgttgt gtgcaaagac aaaggccctt gtttcaaaa gaaggttact tgtccagcca 240
 a 241

<210> 18286

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958788H1

<400> 18286

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 tgtgtcgctg ggagcgaaca agttcccgga gagacagccg attgggacgg cggcgagag 120
 ccaagacgac gcaaggacta ccaggagccg gcgccggcgc cactggttga cccgacggag 180
 ttacgtcat ggtcctttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240
 cta 243

<210> 18287

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958789H1

<400> 18287

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 tcacttcaag atgcaaccga tccttcattg acttctactt tcagattaat gaattcattt 180
 gccaatagta tagttatttt tttcttgtaa gattaattct gacctgttat ttatttattt 240
 a 241

<210> 18288
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958790H1

<400> 18288

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 aaatgcaaatt ttaggcacat tatactagag aacaatgaga acaaacctgt cactaatagc 180
 agagacacac aagagataat gtatagtaaa ggtttggaaa tgctgaaaat attcaaaaac 240
 c 241

<210> 18289
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958791H1

<400> 18289

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 gtgaaggaat cttccaagag tcaagcaaaa agggaaatgg taaaaataa gagtcttctt 120
 gattcaagca cagaaaggaa actgaaagta aaatcaattc aagcaaacag aaaaagacat 180
 ctttcactgg aggcaaggaa aaaccaactc caccaagtct tcccttggtcc ccaaaacaca 240
 at 242

<210> 18290
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958793H1

<400> 18290

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aagccttctc agttggggaa ctaacgagga gctgattgta tcgatcttgg ctcataggaa 180
 tgctgctcag aggaagctta tcagagaaac ttatgccag acctatggag aagatctc 238

<210> 18291
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958795H1

<400> 18291

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 attgagagtg tgtcattaag cttgatgata agcagagtga aagcaagtgt gctacttgtg 180
 tatgggtcaaa tgaatgagcc ccctgggtgcc cgtgcccggtg ttggtcttac tgggcttact 240
 g 241

<210> 18292
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958796H1

<400> 18292

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 gcttctctac cttggatatt ggaacgttgg cttcgaaatc aatttttcag gaacacttgc 120
 taagctttcc atgaattagg atatcttagt tgggaaaagt atccttttga gtgtttgcc 180
 ccaagttttg aaccggacaa acttgttgag ttgagactac cttacagcaa catcaaacaa 240
 ctt 243

<210> 18293
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958801H1

<400> 18293

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958804H1
 <400> 18296
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 gattcagctg agagtgggtg ggctctgcaa aaattagctg catgagctgg ttgggaaac 120
 tccgtttatt ctccaatttc aatccctttc acttcattac ttctttgtta atttttacc 180
 tccatttttc accccaatcg cgcttttccc tccaaccct gttattgatc cagcgtaaaa 240
 ccaatctcaa tcgt 254

<210> 18297
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958805H1
 <400> 18297
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 aataaaaaat aaagagatcc ggtgtagaaa ttcggtttct cagtcattct aatctcaatg 120
 gaatctattg gtaaagaaga aaaaattgct tgtgtgatcg gtgaccgatc aactagtgat 180
 gttgttgta ggctacgcac acaggaaggt cgagatgatt ggctgtactg ccattcagag 240
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<210> 18298
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958806H1
 <400> 18298
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 gcaccacaa agagtgtctc ccatattacc atctttccta ccaaattgaa agccccgcgc 120
 tcctcacctc gttactctcc gattaggggt gcaaccgtgg agcccgacac ttcaactgtc 180
 gactacaact ctgcgttctc agtggttctc gcagaagcat gcgaaactgt aggaggggaa 240

gcctgcatgg cggag

255

<210> 18299

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700958807H1

<400> 18299

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tcactgtgag tagatgctac taacacatct ttaaggagca tcattcatca ttgttttttt 120

tttccttttg tgttcaatgt ggaaaagtgc tttaactaaa cagctgtgaa ggcttggtcac 180

tgaaataaag cactgcatta aggccaagcc accactctcc tcttttccat tgggtgatct 240

ttttttct 248

<210> 18300

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700958808H1

<400> 18300

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catccggaga ctcaacagca ccaagctcct caacgcctcc tccaaactcc tcttccgcgc 120

cactctcttg gtcgcactca tctcgtctt cctcttcacc ttcaactacc cteccctctc 180

cgccaccgac tccacccacc gccacctcca cgccactcc cactacttcc tctcctctc 240

ctccttcggc gcct 254

<210> 18301

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958809H1

<400> 18301

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ttaattatga tgcacctgga atggagccat ctggcattga ggatttagag cattttctat 120
 ctaactcttc catccatgat actagcttat taaatggaga taataatata atggtagatg 180
 cagaccacct tgattctcac tcagagatta acagatgggtt ggtttgagga agatgttaat 240
 gcatattgc 249

<210> 18302
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958768H1
 <400> 18302

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 attatacgcc aatctaaatg agaaggagcc tcagccaatt atgcatgagc ccagaagaag 120
 gaagatgagt caaaccacaa acttgtgttt gactatgtca atgctgcact attggaactt 180
 gttggttatg ggtcagaaaa gtgcttaaag agaagtaaga gccactacag ggtccaagtc 240

<210> 18303
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958721H1
 <400> 18303

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 aagtattcag atggcagaga cattcctatt tacctcagag tcagtgaacg agggacaccc 120
 tgacaagctc tgcgacaaat ctccgatgct gtcctcgacg cttgccttga acaggaccca 180
 gacagcaagg ttgcctgcga aacatgcacc aagaccaact tggatcatggt cttcggagag 240
 atcacc 246

<210> 18304
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958723H1

<400> 18304

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 tatctccaga ttgctggggc gaaagcacia ccgttgacta gtctcaagct taactctccg 120
 atccttcagg agtctttgct aaagagatca atgaaaatcc tgaggcagga tgggaggctg 180
 ctataaatcc tcattttctcc aattatacag ttgaacaatt taagcgctt cttggagtca 240
 aaccaa 246

<210> 18305

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700958724H1

<400> 18305

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 tcagtetaat aatcacacct tctacagcaa caaggagatg tttcttcgtg agctcatcag 180
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<210> 18306

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700958725H1

<400> 18306

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 cagaatttca gattcacttt ttcttttctt ctctaccttc tttttctctt gacagctttt 180
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 ttgggaat 248

<210> 18307
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958726H1

<400> 18307

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 gaggagccca gtgacttgaa gttgtttggt tggaggcaag gaagatagtg gcggagaggg 180
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 attat 245

<210> 18308
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<223> Clone ID: 700958730H1

<400> 18308

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 ctcatgctgc cgaagcacga agccaccccc tggaccaaga atgccagatg gaacacgtgg 180
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 cacaaatg 248

<210> 18309
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<223> Clone ID: 700958733H1

<400> 18309

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 gtggcctcgg cttggacggc accctcctgg tgtcccctag cgcctttcct tactacatgc 180

tcgtcgccat cgaagccggc agcttcctcc gtggccttgt cctccttgga tccgtccctt 240

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<210> 18310

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700958734H1

<400> 18310

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atattatttc tctgttttcg aaagggttca acaaaacaga gacatgtctc tgtttctgcc 180

cttctcttc ggcttctctg acgccacccc aggacgaaat agcgacgacc cagatcacga 240

a 241

<210> 18311

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958735H1

<400> 18311

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tatttcttgc cttctgatca caacctttgt ggttgcagcc tctgctggta acttcaacca 180

agactttgag ataacatggg gtgatggctg tgccaaaatc ctcaatagtg gggaactt 238

<210> 18312

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700958739H1

<400> 18312

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tctcaaattg caaggacatg ggtttcaacc ttcaaccata tgggattcaa tccatgctca 120
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 tat . 243

<210> 18313
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 <212> DNA
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<223> Clone ID: 700958740H1

<400> 18313

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 agtcctccga caccacgata acgtgaaagc taagattcaa gacaaggaag ggatcccacc 180
 tgaccagcag agacttatct ttgctgggtaa acagcttgag gatgggtcgaa cccttgccga 240
 ctacaa 246

<210> 18314
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958743H1

<400> 18314

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 aatggcttcg tgggtgcagtg ttcgaagctt ccagggttccg gcgatggaag gcagcgact 120
 gcgcaaccgt gcttcttggc cgccagagtg ggggtgttgt ccgtggccgg cacctccttc 180
 tggcgcttcct cttegtcacc gaagcactct ttgtcattca catgcttgag catttcttcc 240
 gaaact 246

<210> 18315
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958744H1

<400> 18315

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cctaacggtg cttacaacta ttaacagcgg aagaagtga gggcccagac ggccaccgtc 120
tagggtaggg ttaggtttta attttcgcca cacaacatac gagatcgaaa ttgcc 175

<210> 18316

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958745H1

<400> 18316

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caagaaaggt gactttcttt gagggtcacc aactgggggtg cttcaatttt gtccctgggtg 180
attcctgata agaattggaaa gttgggtgat gttgttcttg gatatgattc tgtaaggat 240
ta 242

<210> 18317

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700958748H1

<400> 18317

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acggctgcgt aggataacat ctaacaaacc tagcgcacga tagtcttctc tcacccatgc 120
ttggagtact ctgcgcactc gcccacaaacc ttggcttctc tccctcgctc acgtccacgc 180
ttccctgctc cgcctacctc attccctctc atcaccttca gcctcgccgc cgccccgtcg 240
ccgccat 247

<210> 18318

<211> 238

<212> DNA
 <213> Glycine max

<223> Clone ID: 700958749H1

<400> 18318

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 tgggtcgtga tggagatcac gtgtcaagcc caatgttgtg gttgccaggg atggcactgg 180
 tcagttcaaa accgttgccg atgctattgc ttccaaacca aaggataaca aaggtaga 238

<210> 18319
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 <212> DNA
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<223> Clone ID: 700958750H1

<400> 18319

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 cgacaactca agggcaccog gtgggcccgc ctctcgccg gttccaatgg ttactggaat 180
 tacagacatc aggctgatgt tattcacgcc tatcaaatat tgaggaaagg tgggtctg 237

<210> 18320
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<223> Clone ID: 700958754H1

<400> 18320

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 tgcttgatag gaactgcatt tgcattggctg catttctagc cattcaggca tcggtattaa 180
 aaaaatatcc tgcaaaccta tctgtcacag cgtgttcata cttctttgga gcttgactg 239

<210> 18321
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<212> DNA
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<223> Clone ID: 700958755H1

<400> 18321

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 tcttcgggca aggtccgggtg atgatcgctc cctcgagagg ttgttgaggt tatcgttggt 180
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<210> 18322
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<223> Clone ID: 700958756H1

<400> 18322

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 ccatacaagc gatcggttgg tctgtgtcca ggctattctc aatatcaaga tccagaagcc 180
 gttcaaggag tttatcaaga gatgcagaaa atccaggaaa caatttgat ggtgacagga 240
 ttg 243

<210> 18323
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 <212> DNA
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<223> Clone ID: 700958759H1

<400> 18323

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 cctttgcgaa tgaaaccggc cccggtggcc actacattcc ggaggtatcg tgcaaaagtt 180
 ggaggcttgg tgtggaagca cacaacgtca ttgactggag aaccattcct caagattgag 240
 aggg 244

<210> 18324
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<223> Clone ID: 700958761H1

<400> 18324

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 agtaaagtat caacaaacca acaatccaac accatgaaac tctctgtttt ccaccatcag 180
 caccatccta tgatttctca ttgccccctt accttgacaa gaacacacaa gagacttaac 240
 aaca 244

<210> 18325
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 <212> DNA
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<223> Clone ID: 700958763H1

<400> 18325

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 gggctccgat ccagaccacac gtggctctcg catgctgcaa caaggctaac tccgaactct 180
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 tcac 244

<210> 18326
 <211> 245
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<223> Clone ID: 700958764H1

<400> 18326

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gggtttgtag tctatccaca tatctttacc aatgccagtg caaggaattc actgccagtg 180
 tcaagcatag gactcaacct tgtaaatacc aacttagatt actaattgat ttgttgtagt 240
 tgatg 245

<210> 18327
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 <400> 18327

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 tgcaaaggat tgtcatagaa aggcagcatc aaactccatt aggagtgaga aaacttcctc 180
 attcagtttc agaagcaatg ccaatgttcc ttttcatgaa ttgcctgggg cttcctttg 239

<210> 18328
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958720H1
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 ggacactatt ccttgatccc ttccaggatt tgagtcacaa gtcattcttg tctttacttc 180
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 tgaa 244

<210> 18329
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958675H1
 <400> 18329

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 cggagcttcc agattccggc gatggaagac agcgcaactgc gcaaccgtgc ttcattggcc 120
 gccggagtag gtgtttgtcg gtggccggca cctccttctg gcgctcctct tcgtcaccga 180
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 ttcaaactg 249

<210> 18330
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958677H1

<400> 18330

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 agtgaacgag gggaccctga caagctctgt gaccagatct ccgatgctgt gctcgatgca 180
 tgcttgaggc aggaccctga cagcaagggt gcctgtgaaa cctgcaccaa gaccaacatg 240
 gtgatggttt 250

<210> 18331
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958678H1

<400> 18331

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 atcattgact tgaaggcttt aagaatactg ctggaattga gcctgaagat gttgcaaagc 180
 gcctcatgga ctacggtttt catgcaccaa caatgtcatg gcctgtgcct ggcacactca 240
 tgattgagcc tac 253

<210> 18332
 <211> 255

<212> DNA
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 <223> Clone ID: 700958679H1

 <400> 18332

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 acatgctatt caggg 255

<210> 18333
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958684H1

 <400> 18333

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 tactgttata gtattggtag tagcgttagc gtgatcagat cagaattgtg atcgtggatc 180
 gaagcaatgt tcaaattctt gaaagaggtg gtgagtggat ctggcacggg cctcaaagat 240
 ctcccacac 249

<210> 18334
 <211> 252
 <212> DNA
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 <223> Clone ID: 700958685H1

 <400> 18334

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 gcagtttatt gtattcataa aatggttatt gactgttcat agtttgcggt ttgttggtat 180
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aaaacaccct at

252

<210> 18335
<211> 254
<212> DNA
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<223> Clone ID: 700958687H1

<400> 18335

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agcggccgctc gcag 254

<210> 18336
<211> 252
<212> DNA
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<223> Clone ID: 700958688H1

<400> 18336

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gcaagcttag cgatgtgccg agaaccaagc aaggcttcag agaaatctca tgtacttagc 180
tgcaatagct gattctcaac cccaaccacc caccatgcct ggtcagtacc ctccgagtgg 240
gatgatgcag ca 252

<210> 18337
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700958690H1

<400> 18337

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atagaggggc aaaattagag aatgctgttt tgtcatgggc aaagggcatc tctaaggaca 120
 cacgcagggt ggggctacag aaaaatccga tcagaatcca aatgctggta aatttcctcc 180
 attaaggaga agaaaacatc tgtttgtcat tgctgtggat tgtgatacca cttcaagcct 240
 tcttgaa 247

<210> 18338
 <211> 251
 <212> DNA
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<223> Clone ID: 700958691H1

<400> 18338

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 caccgtgttc tcccctgacg gccatctctt ccaggtcgag tacgccctcg aagccgtccg 180
 caagggcaac gccgccgtcg gcgtccgcgg caccgacaat gttgtcctcg gcgtcgagaa 240
 gaaatccacc g 251

<210> 18339
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958692H1

<400> 18339

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 ctctccttcc tcattcttgt tcattcttct ctttcttatt gtcaatttca cttcctaata 180
 ccaaaccctc tcattcccta ctttctgtgc tcgaagccaa agacaggacc cgtagggaag 240
 acaggt 246

<210> 18340
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958693H1

<400> 18340

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agctgttgaa gactcattga ttccatagca gagtcaaagt aagcaatcca ttcattcctt 180
tagtattgtg ataatatata tttattatcc tgtcatttac gctttcagaa caacaaatga 240
agagcaattg a 251

<210> 18341

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958694H1

<400> 18341

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ctaagtgaag aaggaagata agtatctgta gtacactgaa ccacgagaag ctgtcagctg 180
aacttttgag gcattcttact cgaagcttgg tgtttccttc agacgcaaaa ccaagagctt 240
atgttactag aca 253

<210> 18342

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700958695H1

<400> 18342

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atcacaacca atgccacca ccatggatga agatttggag aacaacacgg aggattgcaa 120
taatgcaatg actcgatggt gagaaagaag tcagaactag ttgtgggtcac aaataatgac 180
tctcgtttcc aaatgcttag aaatttcatt accaatttgc aagagggtcat cttcggtact 240
aagcttgtgg tgcttt 256

<210> 18343
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958696H1

<400> 18343

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 cgttgttttt ttctccgacg acattccttc ttctcaatcc cattctacac cgacaacaac 180
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 aaaggaggag aaaagtga 258

<210> 18344
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958702H1

<400> 18344

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 agaccggtgg cgcggcaaag gtcgcactaa catgcgccgc accgtcaaga ctgctcctca 180
 gagcatttgg tatggccctg accgtcccaa gtacttgggt ccattctcgg agcagattcc 240
 atca 244

<210> 18345
 <211> 242
 <212> DNA
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<223> Clone ID: 700958703H1

<400> 18345

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 atcttctactg ataataacac caacagaatc gcacaactca accgtatctc cacgctttct 120

caattgogtc ttcttgccac tactttctaca aaacaacaaa aacaatcttt gttttgtttc 180

ttcatttggt ttctctccac caccttctga ggtcaccttg aaagtgattt cattggaagc 240

aa 242

<210> 18346

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700958705H1

<400> 18346

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ccttgccctcc ccacattgaa cgatagttga attgattggt gttcatgaaa tcaaattcct 120

tctggcaaca agaaaacgaa tcataagcac cagccacctc atcctttttt taacaaatgg 180

aaaaatcatt atgctccaca caacat 206

<210> 18347

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958708H1

<400> 18347

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ctatcctcca caactcttcc aattcattgc ttccaagact cctctcact acctcgcttg 120

ggacgtcggc actgggacgg ccaagctgcc aaatcttttag ctgcaatata caagaatgtg 180

atagccacag atgctagtga caaacaactt gaatttgcag ccaagctccc aaatgtgaga 240

taccaacac 249

<210> 18348

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700958709H1

<400> 18348

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 tttatcttat gttccttgaa tcaattgtga tgcttagaat ttgttgact tgcacgcgtt 120
 gacggacaat gaagctcctg tgcgttactt gattgttatt ttgaccttca tctgcacctt 180
 ggtttgctac atcgaacgag ttgggttttc catcgctac acagttgctg ctgacgggtgc 240
 cggagtga 249

<210> 18349
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958711H1

<400> 18349

gtcatgcttt ccttgtttga tggaaaaaca atttatggca tagatgcgga taccatcatc 60
 aaatccaatt tactgacaat aatttcagga ggaactgaat caatcactac tactcttaca 120
 tgggcagtat gtttgatatg agaaatccta ttgtattgga aaaagttata gcagaacttg 180
 acttccaagt tggaaaagag agatgtataa ctgagtctga tataagtcag ttaacatacc 240
 ttcaagctg 249

<210> 18350
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958713H1

<400> 18350

cttatcttag ctaccccatc acaacaacca cggtactatt tctcactac tattaggcaa 60
 aaacaccacc aaatgggaga ggaaaaggag cagcctaaga atgacaccga gaaaaagccc 120
 gaggaggtag cccccagaaa gacgacggac ccatccctgt cgttttacaaa ctcgacttgc 180
 attgcgaggg atgcgtcaag aagatcaaac gcacctgtcg ccacttcgaa ggtgtggaaa 240
 ccgttaa 247

<210> 18351
 <211> 244

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958714H1
 <400> 18351
 aagcgaatta gcgaagaagc ataagatcgt cgatggatag tctcaagttc gcatctttga 60
 cgctgcctcc ttgttctcga cgctctggga tgctaggaaa gaggttgaat tcccctttac 120
 ttattattga ttcttcgcac agttttgcta ttgcaagact gatcttgctg ccgcatcatc 180
 aagtattcca ctgccaaata tgagtttttc ttgtagattt tcaccaagtg tagcagcaga 240
 aaca 244

<210> 18352
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958716H1
 <400> 18352
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 ttcttcgacc agctgactcg actagattcg agttaccctg gcggtctgga agcatacatc 120
 acaaatgcta aacggctctt ggctgattct aaggctggca gaaacccttt cgatggcttc 180
 acaccttcg ttccaacggg tgagactttg gcgtttggtg atgagaacta catcaaattt 240
 gaggaagca 249

<210> 18353
 <211> 243
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958717H1
 <400> 18353
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 gagaggaaga gagacaaatg ggtttgggaa tgagaagaga gtagaaacaa ccgagagaaa 120
 cacatagaaa aggaggcata gccaacctat tcaaaccatg atgcaaggct gtgaggttga 180
 tgccattggc ataaactaca cgatccacac acacaaatcg acgtacctt ttaaaatctt 240

cag

243

<210> 18354
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700958671H1

<400> 18354

tggagagaaa tcgaaagaca tcagggttcca agtctgatgg atctgcaaga cggatgaagg 60
aagttgcatg tcccatttgc actgtccatc tgcaggttca ggtgcctagc tcgggttcag 120
agacaattga gtgtgagttt gccagcacc ctttcttgatg agcgtcatt gagttcagat 180
aaacatgaat acggaagcgg tgtctacgtg tttcataagt ttaaaatgca tttgttctac 240
tgatctatct cttgc 255

<210> 18355
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700958616H1

<400> 18355

tcgattccaa aagctgcttc ctctcataaa ttctctttca acgcataatc attccattta 60
gttatcatct gtgacaccat cacactgcga tcatcatcct cattcctact ttgcacaccc 120
ttatgacaat gatgatgtca tgacttagat tcattgggtca cagtcacaga ctctgaagaa 180
gaaaaacaac agctttgaat tgattacaat acaaccttaa acgatgtcgt tgaaccgtgg 240
tggaggagga gaagaagatg aac 263

<210> 18356
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700958620H1

<400> 18356

gatcgttgga ctgacgggtg gaatagcgtc tggaaagagc accgtttcca atctgttcaa 60

gtcccatgat gtgcccattg tagatgctga cgttgtcgt cgcgagggtg taatgaaagg 120
 gagtgggtggg tggaagaaat cgttgcagct tttgtggacg aaattcttct tgaaaatgga 180
 gaagtcaata gaccaggtt tggccaaatt gtcttctcgg atccggataa gcgtcaattt 240
 ctcaaccgat tgctagct 258

<210> 18357
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958624H1

<400> 18357

ctcgagccgt ttgtcggaaa ccaaaccctg accaacctct ctccccacc ttgcggttct 60
 gcttcagctg agagtgggtg ggctctgcaa aaattagctg catgagctgg tttgggaaac 120
 tccgtttatt ctccaattta atccctttca cttcattact tctttgttaa tttttaccct 180
 ccatttttca cccaatcgc gcttctcct ccaaccctg ttattgatcc acgctaaaac 240
 caatctcaat cgtaattt 258

<210> 18358
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958626H1

<400> 18358

gcacccatgt gatgacagaa gacagtttca aggtagcagg gaaaggggat ggttttctgg 60
 cagccgagac ttgaataggt caacgtcaag agagagatgg tgaacagcag ttttgtgtgg 120
 attaagagtt atcttaactt ttgatgacca gaacctata ctactatttt attacttgtc 180
 ttttctaate gttttgttca ttttactcca ggcaattgga gcaacaatca ttgagtactg 240
 gcactaaaac tttt 254

<210> 18359
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958627H1

<400> 18359

ggcaaacaga aacacccttt ctagcattgc gatttgatct ctccaccttg gtgaaagcct 60
 tgtgaaacat aaggctttta cagaagggtgg aattttgact agaagggatg tttggctgtt 120
 gagtttatgg agggtcagct ctttgttgaa tagtgtttgt gttgccttta tctgcaactt 180
 ttaattgaac caatcctacc ctttttatga acatatgaaa agatcgggtt tttgtgggtc 240
 ctccactcat tggt 254

<210> 18360

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700958628H1

<400> 18360

actgatgcta atccagttaa gaagtctatt gttagtcttg gaaagtctcc ttcatacaag 60
 gaagtggcct tagctcctcc agggacaatc tctaagtttc aggtctaaca tctctaaagt 120
 ctgatttctg ttagcatgag catgatgggtg gaaaacatga agaggaagat attgaagctg 180
 atagaaatgt taatgttgat ccaaccccgga cagaggtaaa tgatatgggtt aaagagaaga 240
 atgatgattc tttta 254

<210> 18361

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700958630H1

<400> 18361

tctttctgtc tctctccatt gcaccttccc ttcttccctt tctttcttctt ttctgtcatt 60
 tgtgagattc cttcacttgt tttctctatt ccattggagt gtacagattc ctagctaaaa 120
 caccagatg tcaatctcgt aattctatctt gatttggtggg tgtttctgtg aaaaaaagaa 180
 ttttttttaa ggactgtcaa acccaaaact ttttttttgg gtcttttggt ttctgcttct 240
 ttcatTTTTG caaactgg 258

<210> 18362
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958631H1

<400> 18362

gtggatttta tccatgctaa agcaaaacac ctgactctga acgccgtcgt ttcaccgtct 60
 ctcgttgatg ttcacccttg ctttaaggag gagtttttcg cttacgacat gacaatctcc 120
 tacgccggcc acaacacccc ctccgcccg tccaggtgac ggaactcgcc gacggcgtct 180
 tcgtcggtg caccgtcaac cactccgtca ccgacggcac ctcgttctgg cactttctca 240
 acacgttcgc cgccgtcac 259

<210> 18363
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958633H1

<400> 18363

gtgacacaga aattaagcta gagcttcata gttttctctt cttttctcac cttccttctc 60
 tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga aattccaaaa 120
 ccatgtccca cagtcaccta agttcgctt tgggattcta ggtaacattg cctccttcgt 180
 gtgctttctg gcaccactac caacatttta tagagtttgt aagaagaaat caaccgaagg 240
 gttccaatca attccatatg tggctgca 268

<210> 18364
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958634H1

<400> 18364

cataaatacc gcggacacac attggatagg gggcagagct tgaattgaat catctcccac 60
 acccatcatc cattggcatc tccgatgaga tgttccttta ttaggcctat cgtgggcttt 120

tatttgttgg gctctaagac ttacctacgt gggcttttgt tataggccca cagaagccgg 180
 cccatgggtgt aagggtgaaag ccgtaattca actttctcag ggggtgggtgg atgggtgttt 240
 gtttcaattc gattgcttct ct 262

<210> 18365
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958639H1
 <400> 18365

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 tctctctcct ttccaaatgg ccagcgttga ggttgacat caaacaccaa caacagttcc 120
 agaaaatgaa acaaccgagt aatcaagacc caggaaacaa ccccggaacc agtaccagcc 180
 actgaggctc ctgcaacaga acaagcagca gctgaggttc ctgctcaaga agaacaacaa 240
 gcaactgagg ttctgtccc 259

<210> 18366
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958640H1
 <400> 18366

gagaccaagt aaggatatacc atttgagaat ggcttcttgt gtagcatcca tgtcttctac 60
 catcctcatc ctaattgcc a tctgcacact gtcttcaatt ctgtcagctg catctgcagc 120
 aacagaggag ggacgaacaa gcccttcaaa agggctctatg cctttggaga ctctttcaca 180
 gacactggca acaccaaaaa tgccgaaggc ccaagtggct ttggatcatgt ttcaaactct 240
 ccctacggca ccactttctt c 261

<210> 18367
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958641H1

<400> 18367

ctcgagccgt tatgatcgat gtttatgtgt gcatgtatgt tcattttctt tcgagggata 60
 tgatgtatta tgcgtctctt atgctgagtt acttgtcgct gtagggagat ctgagtgagt 120
 gacctttcac catgagatga aaccatcgac gtgggacctg tcaagaaaat caaatctcga 180
 gagatacagg tgttgccagc ggaaatagat ctggaagtat cagaggtgat gaagttttgt 240
 tccgagatgg ca 252

<210> 18368

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958642H1

<400> 18368

aaaaaacaca gttcagcccc tagggttcag ttgggggtta gggttctctc atcacatcgg 60
 tgttatcact gtcacggcgt gagcgcatct catcgttgag tataataatg gattcggaca 120
 ctgaagaaac aaaaccaagc atcccaagaa ggagaagaaa aagaagaaca agaagaaaga 180
 ggttgaggtt gtccaacctc aatctgaaca gattgaggtt gaggtcgagg ttgtccgtga 240
 gcacccaat aaa 253

<210> 18369

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700958643H1

<400> 18369

ctttgaggaa actctcattg tgcaattata ggattcgtag tgccttgaaa tcactcggac 60
 ttggacttgt gctctttag tttgatacta ttcagttttg gtttcactat gtaattggta 120
 aaaccattca tttgtttgtt ttattagctt gttgtttcaa cattatttct tgttcctttc 180
 aaatattggc aattaacata ttaggttttc agggatatgtg agagcccatc ttatggcaga 240
 ctttctgcta a 251

<210> 18370
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958644H1

<400> 18370

gtctggtgca taaacctcaa caacacactc ttcaattttc tagggtttga gttttgctcc 60
 ctttttcttc gccttctcca atggccgctt cctcgctcct gagatccgcy cttctcgctc 120
 cttcctcctg cgatgcccca aggtatatac caatgcctca agttctaatt taaaatccaa 180
 gggattacat agcagcattt ttggtacttc aattcaatgt gactccttag tcttacaaaa 240
 ttgcaatggg cgt 253

<210> 18371
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958649H1

<400> 18371

cgcaaaacgc ctatacttag tcctccacca cttgaagacg ttggttataa acttgctatt 60
 tatccaattt ccttgattgg ggtttacata cgagcaatgc aggatgcact cactgctatt 120
 aaaggaggcg ctgttcctcc tcgggaagca tgccatcttt tgaagacatc aaggacatcg 180
 taggtttcaa ctc 193

<210> 18372
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958656H1

<400> 18372

gtgccccttc tgtaagtttg actgtggcat tggtgggtggc ttgcgtgaga ataagaagat 60
 tttcttgccc ttggatggta atgtgctccc agttgtgttt gagagagcat aataaatgtg 120
 tatcttcaat taattgtgtt tgtgttgtgt gcttgaaatt tcttttcttg taatgttggc 180
 taataattgg agctaccgta tgcgatgta taagaccaag gaaagatata catgtctctt 240

ttttatttta tta

253

<210> 18373
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700958657H1

<400> 18373

gcaggtctgg aagggccaag gatcaagaaa gtggaaacat gccagagtg atggtttctt 60
tgttcaattt ggtcacctt ccctgcgaaa gttgtggttt ataccagtt cgaatgaaaa 120
gggacagacc tgggtgcaggt ttctctccca cttttactcg caacacttat ttactgaata 180
taagttttgt agtttatgga ggggtgatatt gcgaggattg attgttcttt tatcaaaatg 240
aaaaacaagg ag 252

<210> 18374
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 700958658H1

<400> 18374

caaaaacaaa gtttcatact ttacgacacc cttttctgca actgatgatc gaaggaagct 60
gaaacagtga aaaacagcaa caacgaccac cctgtctttg ttttttgttt gttgagttga 120
aacttttagag aaatgaatag tgatatggag gcaaaggggtg tgcggttctt agcgtatcaa 180
tcaatatatt cgagcggttg atctggggac ttcgatgggg tgaagaaact ggtggaggaa 240
gtgaagaagg 250

<210> 18375
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 700958661H1

<400> 18375

gtcactttta tacaaaatca gttagtgaat gatgaggtgc tttctaccgt gctttcgtac 60

ttctaaaccg gggaaccact accgtgccgc cgatgaagcc caaaaccatg tgggagaagg 120
 agctgttgaa gactcattga ttccatagca gagtcaaagt aagcaatcca ttcattcctg 180
 tgagtatttt gagaatatat atttattatc ctgtcattta cgctttcaga acaacaaa 238

<210> 18376
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958665H1

<400> 18376

caaagggatt tttagaagtt agtttttccc ttgctggaaa ttcttgttga gaaccccagc 60
 aaacagccaa cccaatatc ttctatttga cctttcctat tttcaagggt tcaacttgtgg 120
 ttcgagttca atttgaatt aattgataag tttctgttat ctgctattga ggatgactaa 180
 cggttttgta atacaggaag tttagacgtg gttcagcgaa cacattaaaa aaatcgtggt 240
 tttattttat atttatactg ta 262

<210> 18377
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958666H1

<400> 18377

acagggcatg aatctagtgt ggatcgtctt atgaagcaga tcataaattt cctgtctgat 60
 attgctgatg tcttcaaaat tggtgtgtgt gaagcaataa gatcattgtg cctgcagtat 120
 cctttaaaat atcgatctcg atgaacttcc tgagtaatat tcttcgggaa gaatgggggt 180
 ttgattacca gaaggccatt gtagcttcaa ttgtgattct cattatagat atccctgatg 240
 cacaggtcat ggggt 255

<210> 18378
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958668H1

<400> 18378

ggaaggttgc ttgtattggt gcctggcatc ctgcaagagt ttcattcact gttgccaggg 60
ctggtcagaa tggataccac caccgaactg agttgaacaa gaaggtttac aagcttggca 120
aagctggaga tgaactcact ctgctcttac tgagtttgat aggtaagtgt tttgttgatt 180
atgggtttgt gcaataaatt tagcaggaag tattgtgttt gtaagtcaaa ctaaccctc 240
tacttgtttt ctg 253

<210> 18379

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700958615H1

<400> 18379

ctcagacaca cacacacaac gcagtgagag agagtgaggg tttctatttt aacgttttcg 60
ttgttatcc tttacagctc aacctgcatt tctctctcac aactcgcac ctcagatcga 120
aatcgaggtc actgagtgag agtggttacg ttattctgcg ctgttgatgt tcatacaaac 180
tagatagcta catggtggag agagacattt ttctcatatg acttctatta gctatattat 240
tattgagcgg tggtgctatg g 261

<210> 18380

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700958576H1

<400> 18380

aaaagaaaga atatctttta tgtatccacc aaatttatca acttttcata aaatgatgga 60
aaccaaattt tatctcttca caaaagataa aatttcctat gatgaattgt ctaattattg 120
gagctatact aatgaagaaa aaagaaacaa attgagcaat gaatttgtaa atagggcaaa 180
agtaatggat aaggaattaa tttctctgga tatattagaa aaccgaatt 229

<210> 18381

<211> 225

0052113.03200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958577H1
 <400> 18381

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 tgatcaacgc caaatgcgtc aacccaaagt tccccagtc caccaagctc gcaccatcgt 120
 aaccctccct tcagatcaac cgtccaaagg gcctcatatc ctcacccgaa agcactaaac 180
 tttccccgcgac gacagctatc gcaggagcaa tattcacaac cctcg 225

<210> 18382
 <211> 75
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958578H1
 <400> 18382

actttttcct tattcaccaa aacggcgctg ttttgatttg gggggaaaca gcacaacacg 60
 tcgaactacc ctccg 75

<210> 18383
 <211> 129
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958579H1
 <400> 18383

ccctagggct ttgagaaaac cacattgccc gaaggcagat aagcaaacgc agggaagaaa 60
 aaaagataaa agagtttcat aataatcata agctgttaga gatgaagaat ggactcgaca 120
 ccacccatg 129

<210> 18384
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958580H1
 <400> 18384

atgctgctgt cagatctcca aacctgatg gcatcaaccc agattctatg cacgaatgtg 60
 agaattgaag gtggcgaggt agtttctggg gatgactgtg tggcgggttaa gagtggatgg 120
 gatgagtatg gcataaaatt tgggtggccc accaaacagc tagtgctaag aaggctaaca 180
 tgcattctac catacagtgc aaccattgcc ttgggaagtg agatgtcagg tggaatcc 238

<210> 18385
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958581H1

<400> 18385
 tacgtaatct ccgcgttcgg ctctctggaa ttctgctcga gaagtgtat ctttacttta 60
 tgtcccatgg aaggctccta gttttctctc tcttcatctc atagtttcac tctcactctt 120
 cttcttcttc ttcttcatcc tttctgatct gtgctgtttt ttcagggtac aacaaaattt 180
 ggtgctttcg gttaaactgt gatgtctccg ccagtgtcga gcatagggga tgacgtctgt 240
 tatagcaatg tcacttcgtt agtgtcttc 269

<210> 18386
 <211> 208
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958583H1

<400> 18386
 gttgaagaaa gtggcgatga tgccgtaccc caaaaacacg aacgaggaag ccaaagccaa 60
 caaagccaga aaacccaaac caccaccgag ttctgtttct cgtttcacca ccactttctc 120
 ctcgatggcg cgaaaactcc ttctgaagca aaccctagct acgcactttc tcttcttcgt 180
 gctttatgca atcttcaacg ctttcttc 208

<210> 18387
 <211> 230
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700958584H1

<400> 18387

cagtcccca aagcgaaagg cntcttcag tgaacaaccg ggccgttgtc gccgacaatg 60
 gcggccacgc caccctctcc gtctttctcg cttcattcaa acaaaccctc tcaactctcac 120
 tctctgcttc gcctctcttc caacgaaaac agaacctttt tctctttcaa ttcgaatctg 180
 aggtgcgaga tcaaaggctt cgagagccac cgtggctgga ccatcgagcg 230

<210> 18388

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700958585H1

<400> 18388

tgatatcact caaaaaaac aaaaacagaa aaaaagatg gttcatcaga ggcaaaacaa 60
 catccatggt cttgttcttc cataacctgc ccaaggccac atcaaccccc ttgccaatt 120
 cgcaaaaaga ttagcttcaa aggggtgtcaa agccacagtt gccaccacc actacactgc 180
 caactccatc aatgcaccca acatcacggt cgaagccatc tccgatgggt tc 232

<210> 18389

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700958587H1

<400> 18389

atztatatta gatgctgagt tgcttagccg gaatccatcg ccgttaatgt taacattttg 60
 caaatatgtc tctctctctt tggggctgct tgcatatatt taggaaggat aacagaagga 120
 tgtagatttt gtatcatagc tattttccca agtatatttc cagcaagctt tagaattaga 180
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<223> Clone ID: 700958588H1

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ggacaatagt tctgtgggga ccaatgggtc tgctgttgcg gttgagagtg aggtgggttaa 180
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<210> 18391

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<212> DNA

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<223> Clone ID: 700958589H1

<400> 18391

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tcttgctgtc tacaaggaag ttattgctga ccttaaggca gctggtgctt catggattca 180
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<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700958590H1

<400> 18392

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ggcggccggt gcctgaacac gatgggaaca actccaactc gtcgggaatg acgatgaagg 180
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<210> 18393

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700958591H1

<400> 18393

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<210> 18394

<211> 70

<212> DNA

<213> Glycine max

<223> Clone ID: 700958593H1

<400> 18394

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<210> 18395

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700958594H1

<400> 18395

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 ttatgatctt ggaataaccg gaggagtgcac ttctatggaa ccatttctca tcaaattctt 180
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<210> 18396

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958596H1

<400> 18396

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 ataccaatat atctctgatt tcttcattgc ccttgcttat ttctcaatcc ctttgaggct 180
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<210> 18397
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958601H1
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 atgtgagtgg cttgagaggg aaaaagcagt tgtagcaaat gggtgcaatt tgttcctggg 180
 aagttgggtg gttgacacgt cttatcctct ctatgactct tcaacatgcc ctttcattga 240
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<210> 18398
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958603H1
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 attctaagag tgtctcgctc cctattcatg tccgatctgt acgacggatg acgggtagtt 180
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<210> 18399
 <211> 264
 <212> DNA
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095113-03200

<223> Clone ID: 700958604H1

<400> 18399

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tcaacgccaa atgcgtaaac ccaaagttcc ccaacccac caagctcgta ccatcaaac 120
cttcccttca ggtcaacctt ccaagggcct aatagcctca cccgaaaaca ccaaactttc 180
cactgcgaca gaatcgagc agcaatatcc acaaccctcg gaacctgcga cgccgctttc 240
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<210> 18400

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700958605H1

<400> 18400

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tcattgatag taacgataaa accactaggt atcagtaacca ctacttgaga tcgttggagt 180
tacttcaacc gagttaacat tctctgctgc atttgctttt gtggagtctg agcgagctga 240
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<210> 18401

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700958608H1

<400> 18401

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gagaacaact acaacaacca caacctcatc gtccctaata ctcaagattc actgtggatg 120
atgaatttga ggactgggga acaatggatt ctggatctta tccggagcgt ccaggggagc 180
cggattgttc atattacatg agaacaggcc tttgtagatt tgggtgcaacg tgtcgattta 240
atcatcctcc taacaggaag 260

<210> 18402
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958609H1

<400> 18402

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 ccaaagagaa gattggtgcg gaaggctgat acatccttta gagacaagag gactaattat 180
 caagaaactc caagagagag tggaaactat gcattatcac atcattactc agttttgggt 240
 ctcgacaggt actcacaga 259

<210> 18403
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 <212> DNA
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<223> Clone ID: 700958574H1

<400> 18403

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 ttttccatat catagcgtaa caaattaaga atatataaaa gaagatgagg tcttcaatca 120
 tatttctttg cattctggtg tatctgaacg tgttagctgc ggaattgtca gcttacgacg 180
 ttcttgagaa atacgatctc ccagttgggc ttcttccaaa aggtgccaca 230

<210> 18404
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958610H1

<400> 18404

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 gaaggcagaa acaggcaaag agctcataga aattctcgtc ctcttcctac ataagtcttc 120
 tcttatcata aacgcgtgtg ctcgataag gttgtgctgc ggtgattcac tcgtactttg 180

cttaatatgg cggttgagaa gttgagcatt gcaaaagatg tgactgaatt aattggcaaa 240
 . actccattgg tatat 255

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 <212> DNA
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<223> Clone ID: 700958612H1

<400> 18405

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 tggcggtgaa gaacgttctg cggcggcggc ggaggaggag gaacaggta acatgactct 180
 gatttccaat tccgacgtcg aaagccacgc cgacgtccaa atccccgaca ccgcgcacatca 240
 aattagcacc gattcat 257

<210> 18406
 <211> 257
 <212> DNA
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<223> Clone ID: 700958613H1

<400> 18406

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 ccgccagatc tttgacagtc gtggcaatcc aaccgtcgag gtggatttga catgctccga 120
 tggtagcttt gctagagcgc tgttccaagt ggtgcatcca ctgggattta tgaggccctt 180
 gaattgagag atggaggatc tgactacctt ggaaagggtg tatcaaaggc tgttgacaat 240
 gtgaacacca ttattgc 257

<210> 18407
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 <212> DNA
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<223> Clone ID: 700958614H1

<400> 18407

0953113-03200

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 tcataaaacc ttcagtgtac gaccaagata aatcttccac ggctgagctt gacaaagtcc 180
 atatctgaca tcaagtttagc aaaatacggg aagtggtttg atgattgcag tgatgatgtc 240
 agaatatgct gcacca 256

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 <213> Glycine max
 <223> Clone ID: 700958522H1
 <400> 18408

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 aatatctgtt ttttccttct gttgttgctt ctgacacact ttcatttggg cataagccaa 120
 cttgagctga attactactc taaaagctgc caaaagctg aagagatcat caaggaacaa 180
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<210> 18409
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958525H1
 <400> 18409

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 tcagcaaaga cggttccgcc ctccagctaa cgcattga cggcgcgcgc gcctccgtta 180
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<210> 18410
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958526H1

0958522H1

<400> 18410

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ctgcagcaac atggatgggc ttgtgtatca tcactatgat ctgcaatgtc agtttagcag 180
atagaatttt gaaagaaaaa gaattaggaa atgatgttcc gaaagagaga caagga 236

<210> 18411

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958527H1

<400> 18411

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acatggacag atgtgcaaga ctctttctat aatctattgc aaagtactgt ctgtatttcc 180
ttcttttagaa gctgctaggc ctaggagtaa atctgggtatt caggcattat gttcat 236

<210> 18412

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700958530H1

<400> 18412

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aattaaaaca catgaagcaa aaatcttaac tcaatacaac gcaacacatg catgtgagtt 180
tttgccaaca aacgtgatca ttgccgcaac aacgaagact caatattatc ataggcca 238

<210> 18413

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958533H1

<400> 18413

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 catcaccagt gttggaggga tcgttgacca aagcttaggc ttcataggca gtgcagtcga 180
 tgcacttact tttgcagcca ccaaaatctc catccagttg attagtgcta ccaaggctga 240
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<210> 18414

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958534H1

<400> 18414

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 gcctcaaaaa gtcggaagat aaggtataat gttcacgaaa agatagtaaa ttttatggca 180
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<210> 18415

<211> 77

<212> DNA

<213> Glycine max

<223> Clone ID: 700958535H1

<400> 18415

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<210> 18416

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700958537H1

<400> 18416

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aggcctctgg ggagcacaag aacaaaagga agatcaaggt gacttttctca tcagggtcaag 180
agcagcagaa tgcacatca caggcagtta ggaaatgctt gcactgtgag ataacca 237

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<223> Clone ID: 700958538H1

<400> 18417

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aaactatgtg aagacttggg ttaatcaacc agcccgaag accagaagac ggttggtctg 180
gcagaatcag gctgtcaaga ttttccccag gcctactgct ggatctctca ggcttat 237

<210> 18418
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<212> DNA
<213> Glycine max

<223> Clone ID: 700958539H1

<400> 18418

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gagttggaac ccggtacact tttctcattc gtgagccact ctgtgcacta acacgtgatg 120
cacgtgccgt cgactgggct acagtgtcgc ttgagttaca ccttgggggtt gagaaccttc 180
tgagagcttcc tctgtgata ggagtagcca catctgctgg cccatttgct cttac 235

<210> 18419
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<212> DNA
<213> Glycine max

<223> Clone ID: 700958540H1

<400> 18419

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 ttggttccaa tgaacaatc ttcttctccg gggcacttgg ccttagcctt agacaatcca 180
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<210> 18420
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958541H1
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 ttggtgtagt gtttcttctc ttgtcttggg ggctggagtt ttccctggca aagttaaaag 180
 ctgtgggacc tgttgctggt cttggagggc tacttcaaat tatcattttt atgtt 235

<210> 18421
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 <212> DNA
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 <223> Clone ID: 700958546H1
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 cttgccttgt agcgccctcca ctggtggcac tgtcataatc cggcggaag ttgccccctc 180
 aacgtgggag agtgctcgctg aagaagttgt ttcgggtacg gctaagagat ttctgg 236

<210> 18422
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 <213> Glycine max
 <223> Clone ID: 700958547H1
 <400> 18422

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 ac 182

<210> 18423
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958548H1
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 cgggcatgtg tcgagaacgt gtgatggatc attgcaaagg tcgggcattt gcctcttgcg 180
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<210> 18424
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 <213> Glycine max
 <223> Clone ID: 700958549H1
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 tccgtggcac cagtagtaag tactctatgg ttcggggcctt tggcgggtct cttgatagag 180
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 <223> Clone ID: 700958550H1
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 atctttgtac aaatttctga acagtttcta ggtatggaaa ctctttcata tgggtcagca 180
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<210> 18426
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 <223> Clone ID: 700958552H1
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 <223> Clone ID: 700958555H1
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 tgtcttcttc ttgatgtgga tgatattgat cgttacctac agttgaatca gccacaagat 180
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<210> 18428
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 <223> Clone ID: 700958557H1
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tacaacaact taaacgatgg caggaggagc ttatgtagat tcgggaaatg caaagcaatt 180
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a 241

<210> 18432
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<212> DNA
<213> Glycine max
<223> Clone ID: 700958562H1
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aagagaaatc aggaacaact tctgcaagtc gccgaagatg aagtttcagc aggtggaaat 180
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<210> 18433
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<212> DNA
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<223> Clone ID: 700958571H1
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tgaggttgtt cttgagtcct gggtatccat atgaagaaat tttgaggacc tttcacaatc 120
agacaagcat aatcatgtgc tcctatctac cagttttcac aagctttaac agaaccaaag 180
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<210> 18434
<211> 82
<212> DNA
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<223> Clone ID: 700958572H1

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<210> 18435

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<212> DNA

<213> Glycine max

<223> Clone ID: 700958573H1

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aagagagttt cctcgaaggt gtgggtgttat tactgcatc gcgaattcga cgacgagaag 180

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<210> 18436

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<212> DNA

<213> Glycine max

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<400> 18436

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ctatagatgt tatgcacgaa ggggtgcaga acctggtgat accaatacaa atccagtttg 180

aatctttgaa ctccaacaac gtgcaccaca atgacaacac cacctactgt tggctaactc 240

aagaggacgt g 251

<210> 18437

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700958480H1

<400> 18437

002250 "E.T.F. 560

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caagtcttgc tttct 75

<210> 18438
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 700958481H1

<400> 18438

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cggtgaccgg caacaccccc actttgatcc cggggagccc ttaccataac cctaaccact 120
aacaagctct tttcatattc atggatcctc cggattctca gtcccaggaa caggaagcgc 180
ccaagaagaa cggcgtcggt tttgtcattc tgcgatggat cctcgcgatt ctttttctct 240
tctctctc 248

<210> 18439
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958482H1

<400> 18439

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atatgtagat tgtggttcaa tatatgagag tccgataagt tttggggcta cgcattctgct 120
tgaacgaatg gctttcaaga ccactagaaa ccggagtcac tttcgggtag ttcgtgaggt 180
agaggcaatt ggtggcaatg tgcaggcctc agcttctaga gagcagatgg gttacacttt 240
tgatgcttt 249

<210> 18440
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958483H1

<400> 18440

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taccatcttc atattattct attgcctttc tttcacgttt ttctggtttt taagcccttc 120
cagtgccta tttacgctta tacccttctg gttatgatag cttccattcg gcgtcagcag 180
cagagccgaa gctcttggct tccacacata ctttcgggtgc cgtcgattga gatacaaagc 240
ctccaagcc 249

<210> 18441
<211> 161
<212> DNA
<213> Glycine max
<223> Clone ID: 700958484H1
<400> 18441

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atccttttgt agcgaatcat ttattaagaa aaataaataa acttaacaca aaagcggaaa 120
aagatatatt aataacttgg tcaaaagcat ctgccattat a 161

<210> 18442
<211> 249
<212> DNA
<213> Glycine max
<223> Clone ID: 700958485H1
<400> 18442

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aagagcaaag tgtgtgatgt ggttggacat tcagtcccaa tcacatggct tcttcttctc 120
cttctcctcc atcttatctc acacaccttc ctcttcattc ctctcaccaa ggtgagagt 180
agaagcgcgt ggaggacgat gaatcgcgcg ttccgattca catcgtgacc gcggcgacgc 240
aacttcccg 249

<210> 18443
<211> 252
<212> DNA
<213> Glycine max
<223> Clone ID: 700958486H1

<400> 18443

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gcttatatcc cttatcttga gcagcagttc caataatagc ctccagcttc cccaagccc 120
accaagcatt cctctgctag gtcacctcca ccacctcacc ccttccctat acaaaccct 180
ctacaccctc tcaccaagc acggtccct cctcctcctc cgctcggcc cctcccgcg 240
cctcctcctc ct 252

<210> 18444

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958487H1

<400> 18444

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aggatgacac agaggaaaca accatgtcta atgcctggta tgaagtattg tcagttttgc 120
acttgatggc aatgctatta ctgtcacagg ctaatttatt acttcttccc agaacatcca 180
ctgatagtca tcagccaaaa gtatcagaag ctagcagacg agcttctgtt gatattctct 240
taaaggcagc tgg 253

<210> 18445

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700958488H1

<400> 18445

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aatagcacat agcataacaa gggaaggagt attaacaacc gcaaacctga agagaaaaag 120
agcagcagaa gaagaaacac caacgatggg tgtggattac tacaagatct tgcaggttga 180
taggagcgcc aaagacgatg acttgaagaa ggcttatagg aaacttgcta tgaaatggca 240
ccctgataag aacc 254

<210> 18446

<211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958489H1

 <400> 18446

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 tcgccgccgc caaattcttc cctgcgagtg gagtctgatt ccggcgaaat cgtcacgagg 120
 ttcaagaacg gtcgccggag aagaattaaa atcaagcgaa tgaaatacac ttgccagacg 180
 aagatccgcy tcaggaatga cgccggcgcc ggcggcgtgt ctcaacttct ggcggtggat 240
 tctg 244

<210> 18447
 <211> 247
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958490H1

 <400> 18447

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 gcccgccgct ctgttgagtt gaagaaaact gttgcagagc gggttacact cagatgggcc 120
 ttcaggaagt ataatgaagg aagtgtggtg gaacttgtgg atcctttaat ggaagaagct 180
 gtaaacggag atgttctgat gaaaatgctt atcttggcgt ttcaatgtgc agccccatt 240
 cgaacag 247

<210> 18448
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958491H1

 <400> 18448

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 gtattaagat ggaagcaact accatcacca atgggagcca aaacggttcg ttttgcttgt 120
 ccactactaa gggaagtagt gatccgttaa actggggagc ggcggcagag gcgatgaagg 180

ggagccacct ggacgaggtg aagcgcattg tggccgagta ccgcaagccg gtggtccggc 240
tcggcggag 249

<210> 18449
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 700958492H1

<400> 18449

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tattcattct ctcatcttca acttatcttt gttcaaattt cttagtttgt tcgtacgttt 120
tattgtgaaa gcaatgttgt tgattgtttt tcgttgatag ctgatgtgta ctttgcggtg 180
tcttactgtg tatgatgtta atgagaattg ttcggtgaaa attgtgcatt tggaaaatct 240
atgttttgtg tt 252

<210> 18450
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700958493H1

<400> 18450

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agagtttcta tcccaatggt tttgaccctt ggtcttactg ggatgtcatt ctctggtgct 120
gatattggtg gatTTTTTgg gaatcctgaa cctgagttat tggttcggtg gtatcagcta 180
ggagcttact atcctttctt tagggccac gccatcacg acacaaaaag acgcacccca 240
tggttgtttg gaga 254

<210> 18451
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958494H1

<400> 18451

002220" E.F.F.E.S.S.O

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 gtgtcggttg gagcgaacaa gttccccgag agacagccga ttgggacggc ggcgcagagc 120
 caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctggttga cccgacggag 180
 ttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240
 ctctacatca ccg 253

<210> 18452
 <211> 239
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958495H1
 <400> 18452

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 cagacgaacc ccatgccaca cgacgtcgtc agatctcttc caaataccct caaatcaaac 120
 aactctttgg ccccgaccac tctgctttct tcaagattag tggagtgtgt ctgcttcagc 180
 ttgtacgggt gctttacttc atgatgctgg ctggctgaag atatttttag tagcatact 239

<210> 18453
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958502H1
 <400> 18453

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 catgcccctg tttctgatgt tccttcttct gcacatagct tgggtggcat cgtcggatct 120
 ccgacctggg ttttactcaa aaacatgtcc aaaagcggaa ctcatagtcc gagatgtgat 180
 gaagaaggcc cttatgaggg aaccagaag tgttgctctt gttatgcgct tccagttcca 240
 tgattgcttt gtcaa 255

<210> 18454
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958503H1

<400> 18454

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agtatatcca cggcggaggg ttcaagcaag atgtgccaaa tttagaacia gtgattgtgc 120
agaaaggagt ggctcacttc aataatcaag aagcagcaga ggaaatcgat aattacatat 180
acgattttat caacaagttc tgatcttgtc caaaaacgaa ttcaaccaga tataaagtcg 240
cag 243

<210> 18455

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 700958504H1

<400> 18455

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aaggcaaaaa cctgagttgc ggaggaaaga aacataatct ggaattcgag aagctaata 120
atcgtttgcg gttgctttgt tcctcctctc gcagatgggt aggggaggaa ggtttagcgg 180
caaacgcaat ttcaggaaaa gggttcggtc aaaggaggga ggttctgatg att 233

<210> 18456

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700958505H1

<400> 18456

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ttcccttccc aagatagtag aagatggcag acgctgagga tattcaacct cttgtttgtg 120
acaatggaac aggaatgggt aaggctgggt ttgctggaga tgatgcccc cgtgctgtgt 180
ttcccagcat tgtaggtcgt cctcgtcaca ctgggtgtgat ggttgccatg ggccaaaaag 240
at 242

<210> 18457

<211> 241
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958506H1

 <400> 18457

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 gagcgataat ggcgaaagag cttctctctgc aacttcgtct gctgcttctt cttcccgaac 180
 aacgggtgtcg atttgcacct cctctgcaa tgctcaacaa cttcgcatte tccgctttgt 240
 g 241

<210> 18458
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958509H1

 <400> 18458

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 tttgatattg gctcacctga tggcccttac aaagcaccat acgctgttat attcagggaa 120
 atggccatac ttgggtgttca gggattctca gagcttccga agtactgcct ggaaatgtgt 180
 ggtggtttct ttttggcagc cttagttatc aaccttctaa gggatgtcac tcctaaga 238

<210> 18459
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958511H1

 <400> 18459

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 aatcgaatcg aatcgaatcg aaaggaaagt gcagaatgga tgacatgccg ttgccggcgc 120
 tctttgagca agcctgcaag atccacgccg cagccaccga ttccggcgcc gaccaggagg 180
 ttgtgaagaa ggggtgagag gctctgcata gatgcgagga catggtcaat aatctag 237

<210> 18460
 <211> 238
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958515H1

 <400> 18460

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 atcctatattt gagagatcat gttgtgggaa aagttagata tgcattgtgag aagtggggct 120
 tctttcagat tatagcccca agcggcatat gaggtggata tcctttggta tatagttgag 180
 gttaatttca ctgccactgc ctacaaatcg accaaatagc attgaccctg cattgaaa 238

<210> 18461
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958478H1

 <400> 18461

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 ttaatttaat taaagggtgga atgaaaactc tccctcacac gtcacaactt tgtatgatag 120
 ctcaagggtt gtatcttctg gtcataaat ttcaagggtg tctgcttcag catgataagg 180
 gaacaaggaa acacactgta catggcttag cgttctacgc tggatttcac ccggaagaag 240
 tttgataga acaagtcc 258

<210> 18462
 <211> 244
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958517H1

 <400> 18462

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 gttgacgggt ttcgagagca gaacatgaaa gttttatatg cataccaaag gagtcttata 120
 ccagaagcgc tctacaagtc aatgaaagaa aattgtaacg gggattatat aaacattgat 180

ccagaaaaca caaagtgtgt ctcagattat agtggttatg ttgagcttgt tcgttacata 240

aacg

244

<210> 18463
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 700958445H1

<400> 18463

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acttaaattc tcaattttgt ctaaattgga caaaaaaaaa agaagaacca caacttaact 120

tcttgatgg attataaagc aaatgcgaag gaaacaaaaa gaatgagaag attgcatcta 180

aaatgacaac atcatccatc tcttacacgt ttattgtgca agaatgagaa tgagaatgaa 240

acaaaaagaa attcgaagat a 261

<210> 18464
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700958446H1

<400> 18464

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ctgagaaggc ctaccatgaa cagctctcag tggcagaaat taccaacagt gcttttgagc 120

catcgccat gatggccaag tgtgatcctc gtcacggaaa gtacatggcg tgttgcctga 180

tgtaccgtgg tgatgttgtg cccaaagatg taaacgctgc tgttgccacc atcaagacca 240

agaggaccat tcagtttgtg ga 262

<210> 18465
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 700958447H1

<400> 18465

002220" E.T.F.E.60

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 acttggcaca aatccacaca tagcactcag cgaattctca aagatttatg gacctcttat 120
 gacttttaaa cttggcagaa taaccacat agttatctcc tctcctcaag tagccaaaga 180
 agtactactt gaaaatgggc aagtcctttc tagcagaaca attccacatt cagtc 235

<210> 18466
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958449H1

<400> 18466

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 cacagatctg catcttctta ttcttccttt ccataattgtg tgtgtgaatt agaattctgc 120
 aagatcagat ctctctctgc gagtacatca gatctccgat gtctcagtc tgcgctcagg 180
 tgggtccactt cgacaac 197

<210> 18467
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958451H1

<400> 18467

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 tgccaaaatt aaggatatat attatattgt ttaaataatt gatgtaaaat ctttttggtta 120
 catgtatgtg gatatgaaag gaagattgaa gacttcaatc tcttttgtc 169

<210> 18468
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958452H1

<400> 18468

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0958449H1-03200

ttgccgttcc cagtccaaag gcaaagtagg ttttaataca actggaagca gtttagcatta 120
accctattga ttggaagatt cagaaggggc ttctccgtcc tttattttctc cccagaacct 180
ttccccacat accttgcaact gatgtggctg tagaaatagt tgagatcgga actcaagtca 240
aagatttcaa agtt 254

<210> 18469
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700958453H1

<400> 18469

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gatgacatac aaaaaggggc tcatcatgaa gccaaagat ggaactcatg tcagcagggt 120
gacacgacat gctgggtgcc taaactgctt cgttggcaag ccttggttaga gaacaacaaa 180
cattaatgtt gttgttggtg ttcgcttttt cttttttttt ttggaaagaa aaaaaaaccc 240
acattgccca gaa 253

<210> 18470
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 700958455H1

<400> 18470

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ttcttggtc tttcagaaga tggtgaacaa gttgtggaca taagtggcaa cccattttc 120
ccaggtggca catattacat tatgccatca acttggggcg ctgccggtgg tggattgaaa 180
ctaggccgga caggaaactc aaactgccca gttactgttt tgcaagatta ctcagaaatc 240
ttccgtggca caccagt 257

<210> 18471
<211> 256
<212> DNA
<213> Glycine max

<210> 18474
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958459H1

<400> 18474

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 aattggataa catgaacgaa aatctcaatt ttgtgctgtt gtcggagtga ctcaggaaaa 120
 tgcaatgcac gattccaaca gcattgttta tgatacattt tctgttggtcc aaggttaatt 180
 ttcagttttg gttttttggg cggctccaat ggcaacctct caaatcactg catcattgag 240
 gaacttgcct gcatt 255

<210> 18475
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958460H1

<400> 18475

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 atgcagaaag caggggtacgg tggcgatgga atatacaggt ctctaaggcc ttgtttggtt 120
 ctcccaaagt accccaacct ctccctcgtc tcattcctct tccaaagcgt ttcctctttc 180
 ccatccaaaa tcgccctcgt cgattcccac tcttcccaaa cacttacctt 230

<210> 18476
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958462H1

<400> 18476

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 tatgaatacg acgatgatga gtgcattaaa catctatggc tatgtcgttg cggctgttgt 120
 tgtgttcctt atattattgc tttggcagcg gaacagattt ttcttcgctt catctccgtc 180
 gtctccatcc gcttccttac tgctttccga ttctatcaat tcaaactcaa gctccagatg 240

cagaacctca aattttgtga

260

<210> 18477
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 700958463H1

<400> 18477

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cttcgccaag aaccgtgaac tcgaagtgat ccactccagg tgggccatgc tcggagcctt 120
gggctgcgtc ttcccggagt tgctgtcccg caacgggggtg aagttcggag aagccgtgtg 180
gttcaaggcc ggggtcccaga tcttcagcga ggtgtgctca ctacttgggc aaccaaggcc 240
tgatccacgc ccagagcatc 260

<210> 18478
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 700958464H1

<400> 18478

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aggcaactaa attccccctt ccaaccctaa tttttcttct taattaattc catttaagtc 120
ctttaatatg cagacctca cccacccgta ccccaaacct ctcaactatc tcacgcgggc 180
gcgtcactcg gtcattacgg tcgctccgac ccgtttcaca gtcaaatgcg gtacaggctt 240
cgaatccgcg agtttctcgc agg 263

<210> 18479
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 700958465H1

<400> 18479

aaaaacttta ggaaatcaca tgaagagaga gaagatggct tgtgtttacc caggacagct 60

<223> Clone ID: 700958470H1

<400> 18482

cttatgtatt acatggataa gattaccaa ataggtcc ctccaggttt cagcagtctg 60
 caaagtaaga aaataggcat aattagttag aattttgaaa tgaagtgtgt gactattaaa 120
 aacttctgtt caaaactgca gaaatttatt cttagtacag tctatacaac ata 173

<210> 18483

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958471H1

<400> 18483

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 aagaaacaat gtcttgctcc aatctcacia tggttggtgc ctcaaaacct tccctttccg 120
 atccctcaa tctctccttc cgctctgtcc tcaacccttt tcagttccct tcacaaaacc 180
 caatttcag cactccttca cgctcctaag acaccaatt tcagtgtggt ctgagagatc 240
 tcagcccccg 250

<210> 18484

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700958472H1

<400> 18484

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 gtcagcccg tcccggttca aaggatcttt atttccctac tcaatactct ctgtcattct 120
 tgggtccaatg ccaagcttgc ttatggaagc aacgttggtc atattggcgt aatccaccat 180
 aactgctgt gaggtttttc ttcactactt tcatagccct gatgtttgga acaatgttct 240
 gggacctcgg aag 253

<210> 18485

<211> 252

<212> DNA
 <213> Glycine max
 <223> Clone ID: 700958473H1
 <400> 18485

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 ccgtacaaag caaactgctc gtaagtcaac tggaggaaaa gctcccagga agcagcttgc 120
 aaccaaggct gcacgtaagt ctgcaccaac aactggtggt gtgaagaagc ctcatcgtaa 180
 tcgccctgga actgttgctc ttctgtgagat taggaaatac cagaagagca ctgagctcct 240
 aatcaggaag tt 252

<210> 18486
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958475H1
 <400> 18486

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 aaaacagtga aggtctcaag taaaagaaat gtttttggca ccaaggggga aatgggtata 120
 gatttcatgg ttttggtggt atcagtgtca tggttttggt tgactagtat atgtgtctct 180
 gctacaaaac aagcataccc gccaacacca caaccgaacc agaacttaag gtttgaccaa 240
 aatggagaat tc 252

<210> 18487
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958477H1
 <400> 18487

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 cttgttctgg attttccatt tgagtaaaaa gcaagaactg ttttcaattg ttggtgcagt 120
 gtgttgtag ttctgcattt gctgtttaa tttgaggaat cgggtgttata ccaagacaga 180
 aagagggaaa cttagataaa aataagagct ttctggggag catagacact tcacatacat 240

acctagcatc tggggagaag aagggtgatg aagggagaag gaaccatcag gtagcagaaa 120
 tttttaggag aacctctttt tctaggacca caaaagacca tcatcatttt cctctaacca 180
 tcttaggcca cgaccgtata ttctgggttcg gggatctgaa ctataggcta tacttgaggg 240
 acaattttgc gaggcatttg ataagaa 267

<210> 18491
 <211> 182
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958416H1
 <400> 18491

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 agccatgacg ccgctggatg gtctaagcct ttctctcaga ttacgctta acagagttac 120
 agtcactcag taatctactc cttttctaga tcttgcacgc tgggaaacca acaaaaattc 180
 tt 182

<210> 18492
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958417H1
 <400> 18492

ttcggctcga gaaaatatta ttaagatgat caacattatt ggagcacttg ttctactctt 60
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 cataactttt ggtgattctg ctgtggatgt agggaacaat gactatcttc ccaccctttt 180
 caaggctgat taccctcctt atgggagggg ctttgttaac caccaaccta ctgggaggtt 240
 ttgcaatggc aaattagcta ctgatttcac 270

<210> 18493
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958418H1

<400> 18493

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gctagagtgc cattctgtgg tttctttctt tctttctttc tgcattcacat cacaatttgc 120

attgcctcgt gtctctttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180

caaatggggt ctcaccaaca agaaccatgg ctcatgggag aatgggaaac caagggtttt 240

gaccaaggag accagg 256

<210> 18494

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700958419H1

<400> 18494

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cacccttgag gtggaaagct ctgacaccat cgacaacgtc aaggccaaga tccaggacaa 120

ggaaggaatt cccccggatc agcaacgtct catcttcgcc ggaaagcagc tcgaggacgg 180

ccgtaccctc gccgactaca acatccagaa ggagtcaacc cttcaccttg tccttcgtct 240

ccgtggtggc 250

<210> 18495

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700958420H1

<400> 18495

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acttctttac acgctacggc gaagttaaag atcaccaaatt aatgcgggac cactccacca 120

accgatctcg tggctttggg ttatcacat ttgaatctga agaagcagtt gatgatcttc 180

tgtccatggg gaacaaaatt gactttgctg gagctcaggt ggaaatcaag aaggctgaac 240

caaagaagcc gcactca 257

<210> 18496
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958422H1

<400> 18496

aacaaaacaa attaagtaat aaattactta tcatagaaac atggcagccc tcaaacaagt 60
 ttcatccctc ttgctattcc ctttgtttct ctttttttcc ctattcaaatt cctctcatgc 120
 tgggtgggatt gcagtctatt ggggtcaaaa cggcaatgaa ggctccttgg aagaagcttg 180
 caactctgac aactaccaat atgtgaacat aggtttcttg aacgtttttg gcaacaacca 240
 aatcccacaa ctaaaccctt 259

<210> 18497
 <211> 263
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 700958424H1

<400> 18497

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 ctgcgatcgt gtcctgttc acggtctttg ccgtttcttc cgccctagac atgtcgataa 120
 tctcgtacga cagcgccac gcggacaagg ccgccacgtt gcgccccgag gaggagctga 180
 tgtccatgta cgagcagtgg ctctgaagc acgggaaggt gtacaacgcg ctcggcgaga 240
 aggagaagcg cttccagatc ttc 263

<210> 18498
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958425H1

<400> 18498

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 gaagagctcc atttggtgca ctccaattgg aaaaaagaag tgaacttgcg atctgggtat 120

ccaatttttg aactctttcg atggggaatg atgcagggtc accgcagggt ccggttacgt 180
 gtgggtcgtg gattcggagg cccgagaatt agaatttggg ggtgttggga aggtccagac 240
 gtggcagttc ttgtccttct 260

<210> 18499
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958426H1
 <400> 18499

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 ggaggggtat tgagcttgtg atggaggagg agatggaggt cagtgggaga gataggagta 120
 attgtcagag gaggcattgtg tttagaggaca ttgatgtgga tttggtgggtg ggagaggagg 180
 aacagaagaa gcatgaggag gtagtgggtg gagaggacga agagaaagct agagttagca 240
 tatgtattcc tccaaga 258

<210> 18500
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958427H1
 <400> 18500

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 acaagtcttg atctcagtgg aaatttgctg agtgggaaca taccaccac gcttgaggga 120
 ataaaaggct tagaaagatt gaatctctca cacaatagtc tttcaggtgg tctctctagc 180
 ttggatgata tgataagtct gacatctttt gatatatcat acaatcagtt tgagggtcca 240
 cttccaaaca ttctagccct c 261

<210> 18501
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958428H1

<400> 18501
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tatcgttcaa cgcgaggggt gggttagtga accagtttcc gattttgatc aagtggctag 120
gactggctgg ggaggggttta cacaagcagc tcgcggagga gatcaggacc gttgttaagg 180
acgaaggagg ggtgagtctc cgggcgttgg atcagatgac tttgaccaa tcagtgggtg 240
atgaagtcct gaggatag 258

<210> 18502
<211> 263
<212> DNA
<213> Glycine max
<223> Clone ID: 700958429H1

<400> 18502
gaaagacaag acaaaacaag agagaatgag tggcggagga ggaggagaag aggaagcaac 60
tctggagttc actccgacgt gggttgtggc cgccgtttgc acagtcacgc tcgccatata 120
tctcgctgct gagcgcttcc ttcattatgg cggaagttt ctcaaagcca aggaccagaa 180
gtcgtcttac gaagctctcc agaagatcaa agaagagctg atgcttctgg gcttcatttc 240
cctgcttctc acggttacac aaa 263

<210> 18503
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 700958430H1

<400> 18503
caataataac tgcaggcagc tctgacttca ctgcaagcat caaaacaaaa cattgcttca 60
attcagcgtt tctgcaaatt ccaattttcc aaaataaaaa acaaaaacgg gcgtttgaaa 120
aaaagctggtt attaatcgg gagcgatatg gaggtcgtac tcaaagagtt gcacgccgat 180
cttcaatctc tgagccaatc gttcccgat ccattctacc atgatttgct ccgcaagatt 240
caattgcgtg ttgaggacct tgcg 264

<210> 18504

<211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958431H1

 <400> 18504

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 cttttcttgt gggtttcttg gaaatcgttg tttcaaatgc tagtcctctt ccatatgaag 120
 ctatttttaa ctttggtgac tctataagtg atactggaaa tgctgctcat aaccacccac 180
 ctatgcctgg caatagtcct tatggttcaa catactttaa acatccttct ggacgtatgt 240
 caatggacga ctaatcatag atttt 265

<210> 18505
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958433H1

 <400> 18505

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 cacaaagcaa cactttccat gtccatgtct ctgtctcttc ttogtatctt ctcttcgccc 120
 cacctttcca cctctctctt ctttccaact ccaactcttt ctccctctg cccttctttc 180
 ctttccaaat taccaaagtc cccctctccc ctcatgttt tatgccacag ggacgcctca 240
 gcttcgaagc aaggtcacct 260

<210> 18506
 <211> 256
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958435H1

 <400> 18506

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 gtctgtggg acaatacttc aacagctctg tgctatgcat atacatcatt ggagttttag 120
 aattcgaagt tccaatagat gacttgcaaa catatgctct tcttaaagat gttttccttc 180

ccatcaatcc acgcttctcc tccatgctgg tccaagataa agatggagag aaaagatgga 240
agcaagttga tgtaaa 256

<210> 18507
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 700958436H1

<400> 18507

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gctaagactg ttggtggagg tgatgatgct ttcaacacct tcttcagtga aactggggct 120
ggaaagcacg tgcctcgtgc gatttttgta gatctcgagc ctactgtgat tgatgaagtt 180
aggactggga cataccgccca actatttc 208

<210> 18508
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 700958438H1

<400> 18508

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gttgagaagc tactttggat ggcaattgtg tgcttggtgc tgggtgtaat ttccattact 120
cccaaggccc aagcagcagt gacatgcaac caggtgggtga gcaacctcac cccatgcatt 180
tcctatgtgc tcaatgggtg caaaaccgtg cctggccctt gctgcaatgg gatcaagacc 240
ctctttaacc tcgct 255

<210> 18509
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 700958439H1

<400> 18509

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ggcacggttc actgggattt cttcccagga agcgtgctgc tcgtcacagg ggaaaagtga 120
 aggcatcccc caaggatgac ccatccaagg cacccaagct cactgcattc ttgggttaca 180
 aggccggtat gactcacatt gttagagagg tcgcaagcca ggatcaaagc ttcacaagaa 240
 ggacacttgt gagc 254

<210> 18510
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958440H1
 <400> 18510

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 cagcttagat ttttttctct ttttatattt tttctttctt tcttttctgt ctttccagat 120
 ttgtccctaa tctttctctc acattccaat tcaaacaact tccctcaata cagcggagac 180
 ggcgaggaag ccgccgccgt aggtccggtg gtttccgcca gcgaggcggc gaatcactct 240
 cggcctctcg gaagcccag 259

<210> 18511
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958441H1
 <400> 18511

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 taatattgaa tatttggttg ggttgactcc ctgggttgaa gcgttgacaga catcacggct 120
 attctaagat tgtctctttc tctcattcat gtcccaactg tacgacggag gacaggttgc 180
 gtaactgcc acaacccttc gccgcacggt gggcgtgggt ctttgccttc tgaaggtggt 240
 agcccatcag acttgct 257

<210> 18512
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958443H1

<400> 18512

agaatacata aatgaactgg tagaagttga taaagaaggg gggaagcagc tttgtggtgg 60
gacatttttg aaccctggat catgggatgc tgcacttctt gctgctggga ctacactatc 120
tgcatgaag catttactga atggggatgg aaaagtttcc tatgcattgg ttaggcccc 180
tggtcaccat gctcagcctt ctcaggccga tggctactgt ttccttaaca atgcaggtct 240
agctgtgcaa ttggctt 257

<210> 18513

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700958413H1

<400> 18513

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gtggaatcct tatcgtctc cgaccctgag atcccccaat catccaatcc caatccaact 120
catctgttga ccccgatga gaagtttcaa attgtgagga gcgtcggaga agagtgcatt 180
caggaagacg aactccttaa cctcctcacc aaaaagcccg aaccggttg ctacgatggc 240
ttcgaaccct ccggacgaat gc 262

<210> 18514

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700958374H1

<400> 18514

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gtactaccaa ctaggggtatt tgtcatggct agtttgcaaa ctaggggttt cttgatggcc 120
cttctgtgcc tgctggctct tggtgcaacc attattccaa tggcacaagg ggaagtgtca 180
tgtggccaag ttgtgagtaa cctgacccca tgcattctct atgtgctata tgggtg 236

<210> 18515

cattttgcag tccgggttca gctcagcaag taggtcatca ttttgaaaat gaaaatgaag 240
gtc 243

<210> 18521
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958383H1

<400> 18521

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agatgcaa at gtttgtaag acactcactg gtaagacaat cacccttgag gtggagagtt 120
cagataccat agataatgta aagtccaaga ttcaagacaa ggaagggatc ccaccagacc 180
agcaacgtct catttttgct ggcaagcagc ttgaggatgg acgtacactt gctgattac 239

<210> 18522
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 700958384H1

<400> 18522

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tcgctagatt ttcttcaaaa tgactcaaga tctagagatg aaggatcgct caacgccttc 120
caactccgtt tcttcgcctg ctccatctac tctgcagcat ttgaaggaga tagcgtctct 180
tatcgagacc ggttcgtact cgaaggaagt tcgtagaatt gctcgcgctg ttcgcctta 239

<210> 18523
<211> 63
<212> DNA
<213> Glycine max

<223> Clone ID: 700958386H1

<400> 18523

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gat 63

<210> 18524
 <211> 237
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958388H1

 <400> 18524

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 agctacggca cagtctggat ctgctgggtc tgaaaattca ttagaaactg catggagagc 120
 agagagtgaa agcctcaagt ccatattgac aggagctgct ccgagtaaac ttggaaggat 180
 tgcttttagtg gatgccctgg cacaccagat tcagaatcgt atgaagcttc ggcttcc 237

<210> 18525
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958389H1

 <400> 18525

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 gagaaggga ttgttatcag attcatgatt ggtcacagtg caacttccaa cagcattcta 120
 gatcgagcta ttgattcaga agaagctcag cacaaagact tccttcgcct agaacatctt 180
 gaagggtatc atgagctgtc tgcaaagata aagattttct tttccactgc tggt 234

<210> 18526
 <211> 129
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958390H1

 <400> 18526

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 aggtcactaa atttgctca ttatactatt tggaccttc caacaatgaa ttgagtggga 120
 agctttcat 129

<210> 18527

<211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958393H1

 <400> 18527

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 aataatggcc ttaaattaca acattgccct cgccttctct acggttctca cgctgcttct 120
 ccttcctta ccaacccttg gggagctcgt gcaggagcag ccaactagtc tcaagtacca 180
 caacggccaa ctctgaagg ggcgcacac cgtaatctc atctggtacg gca 233

<210> 18528
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958395H1

 <400> 18528

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 cgccgcgagc aatgggtatc tcaaggtgcg gtgaagagca aggggtgcaa ggacggagtg 120
 gacgatgacg gccacgcacc gccgccgtct ccagcgggtg tgaaacactc gttggagccg 180
 ctgaacacga ggcgcagagg cgaagaggac gatggattga tccatcatga cagcgattcg 240
 gag 243

<210> 18529
 <211> 243
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700958396H1

 <400> 18529

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 caagagacgc ggcgatctc agcaatccat tcagctcgtc ggctttccta gccgaaccta 180
 tgcgcacgac gctctctacc aagcctcaca ggatcagcag ggctgatac cttggaatgg 240

gaa

243

<210> 18530
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958401H1

<400> 18530

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 ttggcaacct atcagcttga gggatgctac cagtcaagag ctgcttgagg cagtagagct 120
 ggagaggagc ttgagagata ctccatcaag aaatgctgcg atttttcatc atccaacact 180
 tgggtgatttt gaattgcagc atttacctat ggggtgtgaat gaggccgata ttgaagagcg 240
 aataattcaa cattaactg 259

<210> 18531
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958403H1

<400> 18531

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 tgagaagaaa tattcacaca aacctagaaa ctccacaaac ggggactgcc agcttgattt 120
 acttgacttg acccatattt cctcaatgga ctttgggccg gaatcatacc agttgcaaaa 180
 tgatagggta gttcctggtg aaagtcacga catggtgaat attccgtttc agacttcgat 240
 ggggttaggt gttgcaa 257

<210> 18532
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700958404H1

<400> 18532

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ggcctcaagc acgttgaagt tgccgttccc agtccaaagg caaatgaggt tttaatcaaa 120
 ctggaagcag ttagcattaa ccctattgat tggaagattc agaagggctc tctccgtcct 180
 ttatttctcc ccagaacctt tccccacata ccttgactg atgtggctgg agaaatagtt 240
 gagatcggaa ctcaagtcaa ag 262

<210> 18539
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958411H1
 <400> 18539

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 gaatattctt agaatgcagc ttgtagcaac acacagtaat gatccatag ttgatgacta 120
 ttaccaccaa ggctgtcttg cgaaaaagtc atctgggtgct aaattgaggc atcacttttc 180
 tccagctcaa ataaaggaac tccctctacg accctcttct aatgctgaac cacatgcttt 240
 tcttcagggt gatgcactag gg 262

<210> 18540
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958371H1
 <400> 18540

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 aaacttgaag tgcctctgga taagtgggtg agtttggttg tttgattgat tttgcaaadc 120
 agttgaatgg taggatcccc aatcacccaa caagatcagg tgtgattgaa ggaaaaaggg 180
 gcatagggga agttgaagtg aaaaatgctg agtgatagag atgggaaaga ggacatgg 238

<210> 18541
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700958412H1

<400> 18541
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 gaacagcaat gttctgataa agttcctaaa ggtgcatcag ttactcaatc cagaacagga 180
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 catccactcc aaagcttcta ctaagggaga tgggtggagca gtggaattgg gtggtgatca 180
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caagaacaat ttcagtaacg tcgccgtcgg tggcggcgac ggcgatgcca ccatcacgat 180

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gccggcggcg cctcctacac cactacccat ggccgccgca gttaaagcga agtcctcgac 180

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09544-03200

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 <223> Clone ID: 700958346H1

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